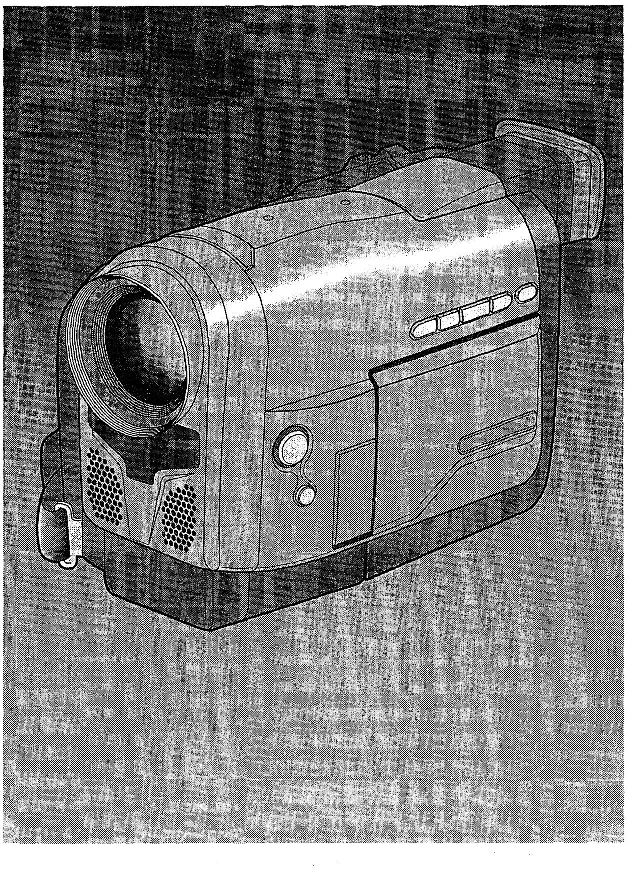
SAMSUNG

DIGITAL VIDEO CAMERA

VP-D70/D70i
SCD67/70

SERVICE Manual

DIGITAL VIDEO CAMERA



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UPDATE LOG SHEET

Application Data	Page	Part #	Note(Cause & Solution)	S/Bulletin #

Use this page to keep any special servicing information. (Service Bulletin, etc.)
If only parts number changes, Just change parts number directly on parts list.
And if you need more information, please see the service bulletin

1. Product Specifications and Comparison Chart

1-1 Product Specifications (SCD67 / SCD70)

Design and specifications are subject to change without notice.

Operation	Description
SYSTEM	
Video signal	NTSC standards
Video recording system	2rotary heads,helical scanning system
Audio recording system	Rotary heads, PCM system
Usable cassette	Digital video tape (6.35mm width): MiniDV cassette
Tape speed	SP : approx. 18.81 mm/s LP : approx. 12.56mm/s
Tape Recording time	SP : 60 minutes (when using DVM 60)
	LP : 90 minutes (when using DVM 60)
FF/REW time	Approx. 150 sec. (using DVM60 tape)
Image device	CCD (Charge Coupled Device)
Lens	F1.6 22x(Optical),500x(Digital)Electronic zoom lens,
Filter diameter	ø37
LCD monitor/Viewfinder	
Size/dot number	2.5inch/112.320
LCD monitor Method	TFT LCD
Viewfinder	0.24”B/W LCD
CONNECTORS	
Video output	1Vp-p (75Ω terminated)
S-Video output	Y: 1vp-p,75Ω ,C: 0.286Vp-p, 75Ω
Audio output	-7.5dBs (600Ω teminated)
DV input/output	4pin special in/out connector
External mic	ø3.5 stereo
GENERAL	
Power source	DC 8.4V, Lithium Ion Battery Pack 7.4V
Power source type	Lithium Ion Battery Pack,
	Power supply (100V~240V)50/60Hz
Power consumption (Recording)	SCD67/SCD70:6.3W(LCD),5.0W(EVF)
Operating temperature	0°C ~ 40°C (32°F ~104°F) -20°C to 60°C (-4°F to 140°F)
Storag temperature	-20°C ~ 60°C (-4°F ~140°F)
External dimension	Length 158 mm,Height93 mm,Width 87mm
Weight	580g (Except for Lithium Ion Battery Pack and tape)
Built-in MIC	Omni-direcional stereo condenser microphone
Remote control	Indoors: greater than 15m (straight line) Outdoors:greater than 5m (straight line)

1-2 Product Specifications (VP-D70/D70i)

Design and specifications are subject to change without notice.

Operation	Description
SYSTEM	
Video signal	PAL, CCIR standards
Video recording system	2rotary heads,helical scanning system
Audio recording system	Rotary heads, PCM system
Usable cassette	Digital video tape (6.35mm width): MiniDV cassette
Tape speed	SP : approx. 18.83 mm/s LP : approx. 12.57mm/s
Tape Recording time	SP : 60 minutes (when using DVM 60) LP : 90 minutes (when using DVM 60)
FF/REW time	Approx. 150 sec. (using DVM60 tape)
Image device	CCD (Charge Coupled Device)
Lens	F1.6 22x(Optical),500x(Digital)Electronic zoom lens,
Filter diameter	ø37
LCD monitor/Viewfinder	
Size/dot number	2.5inch/112.320
LCD monitor Method	TFT LCD
Viewfinder	0.24"B/W LCD
CONNECTORS	
Video output	1Vp-p (75Ω terminated)
S-Video output	Y: 1vp-p,75Ω ,C: 0.286Vp-p, 75Ω
Audio output	-7.5dBs (600Ω teminated)
DV input/output	Out only
External mic	ø3.5 stereo
GENERAL	
Power source	DC 8.4V, Lithium Ion Battery Pack 7.4V
Power source type	Lithium Ion Battery Pack, Power supply (100V~240V)50/60Hz
Power consumption (Rec.)	VP-D70/D70i:6.3W (LCD), 5.0W (EVF)
Operating temperature	0°C ~ 40°C (32°F ~104°F) -20°C to 60°C (-4°F to 140°F)
Storag temperature	-20°C ~ 60°C (-4°F ~140°F)
External dimension	Length 158 mm,Height93 mm,Width 87mm
Weight	580g (Except for Lithium Ion Battery Pack and tape)
Built-in MIC	Omni-direcional stereo condenser microphone
Remote control	Indoors: greater than 15m (straight line) Outdoors:greater than 5m (straight line)

1-3 Comparison Chart

MODEL FUNCTION	VP-D70	SCD67	SCD70	VP-D70i
VIEWFINDER	EVF	EVF	EVF	EVF
D.ZOOM	X500	X500	X500	X500
REMOTE CONTROL	0	X	0	0
DIS	0	0	0	0
CCD	460K	390K	390K	460K
iEEE1394	OUT	IN/OUT	IN/OUT	IN/OUT

MEMO

2. Disassembly and Reassembly

2-1 Cabinet and PCB

2-1-1 Top Cover removal

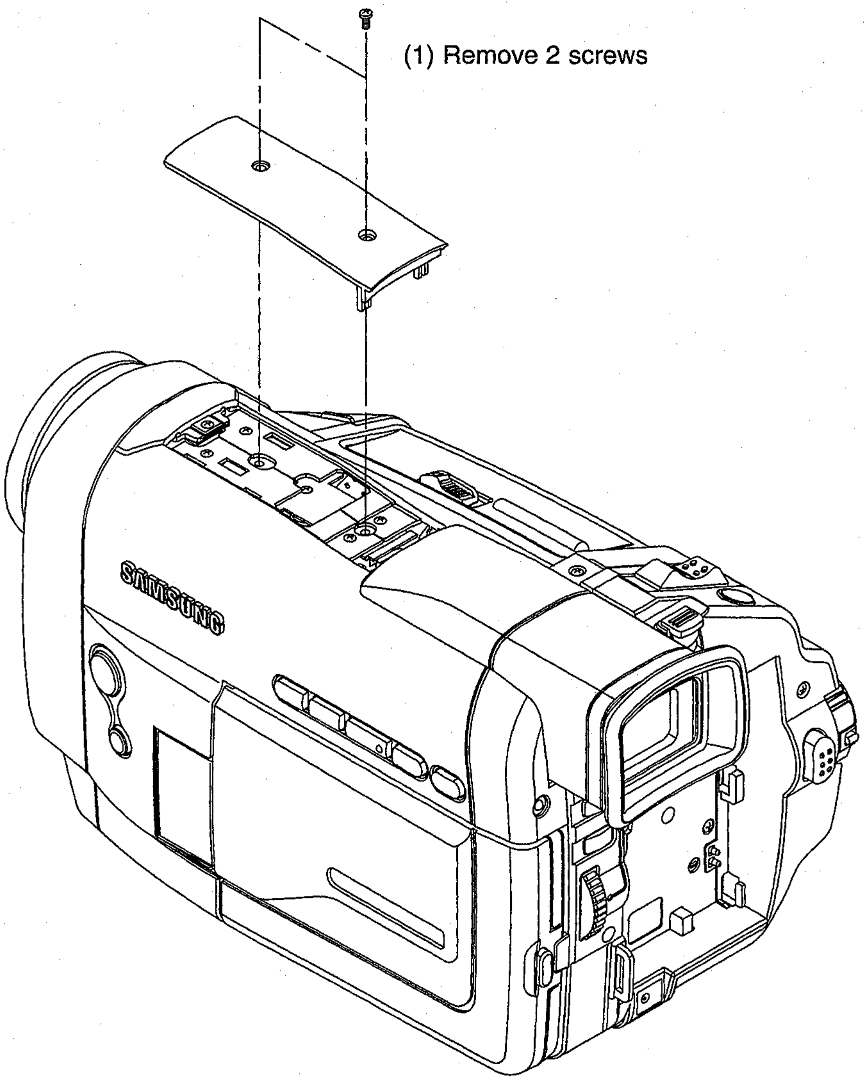
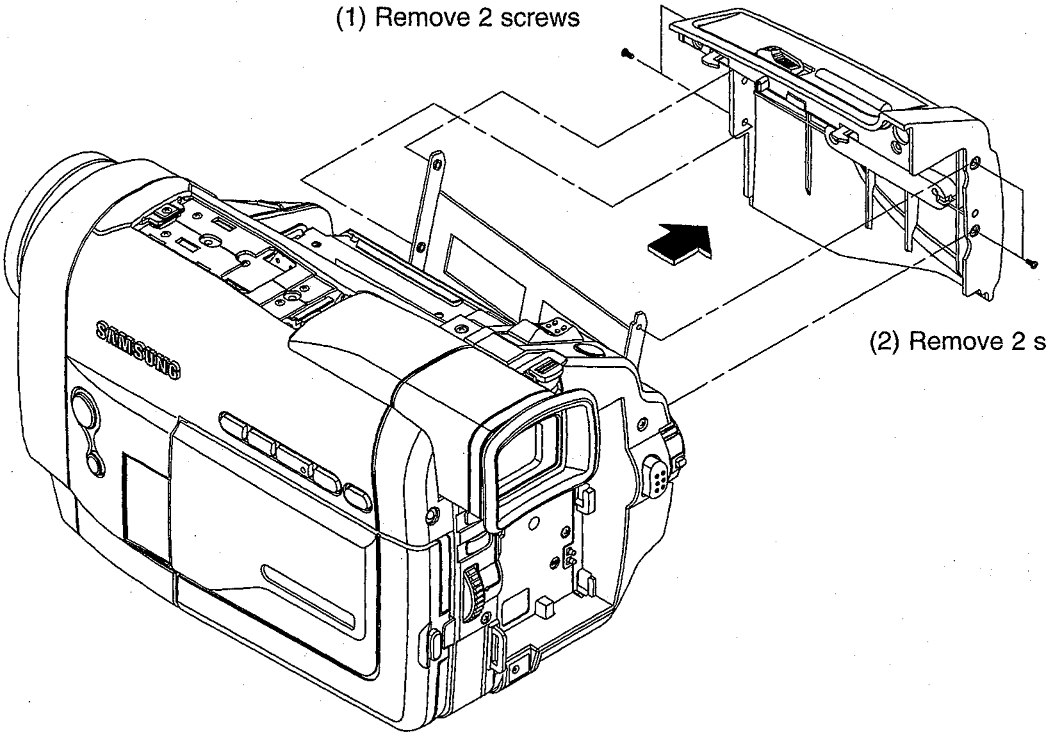

(1) Remove 2 screws
SAMSUNG

Fig. 2-1 Top Cover removal

2-1-2 Ass'y Cover Housing removal



(3) Remove cover housing in the direction of arrow

(1) Remove 2 screws

(2) Remove 2 screws

Fig. 2-2 Ass'y Cover Housing removal

2-1-3 Ass'y Front removal

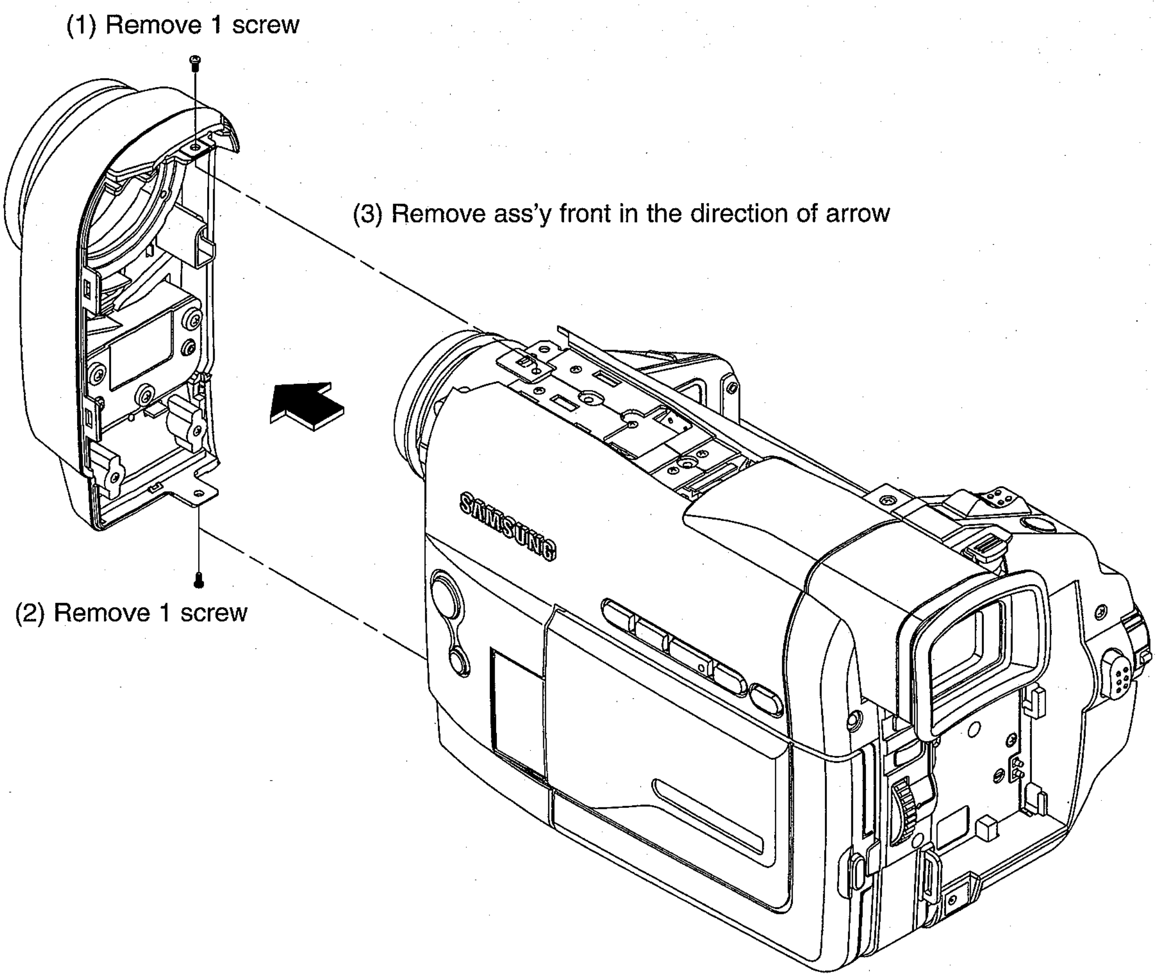

(1) Remove 1 screw
(3) Remove ass'y front in the direction of arrow
(2) Remove 1 screw
SAMSUNG

Fig. 2-3 Ass'y Front removal

2-1-4 Ass'y Case-Left removal

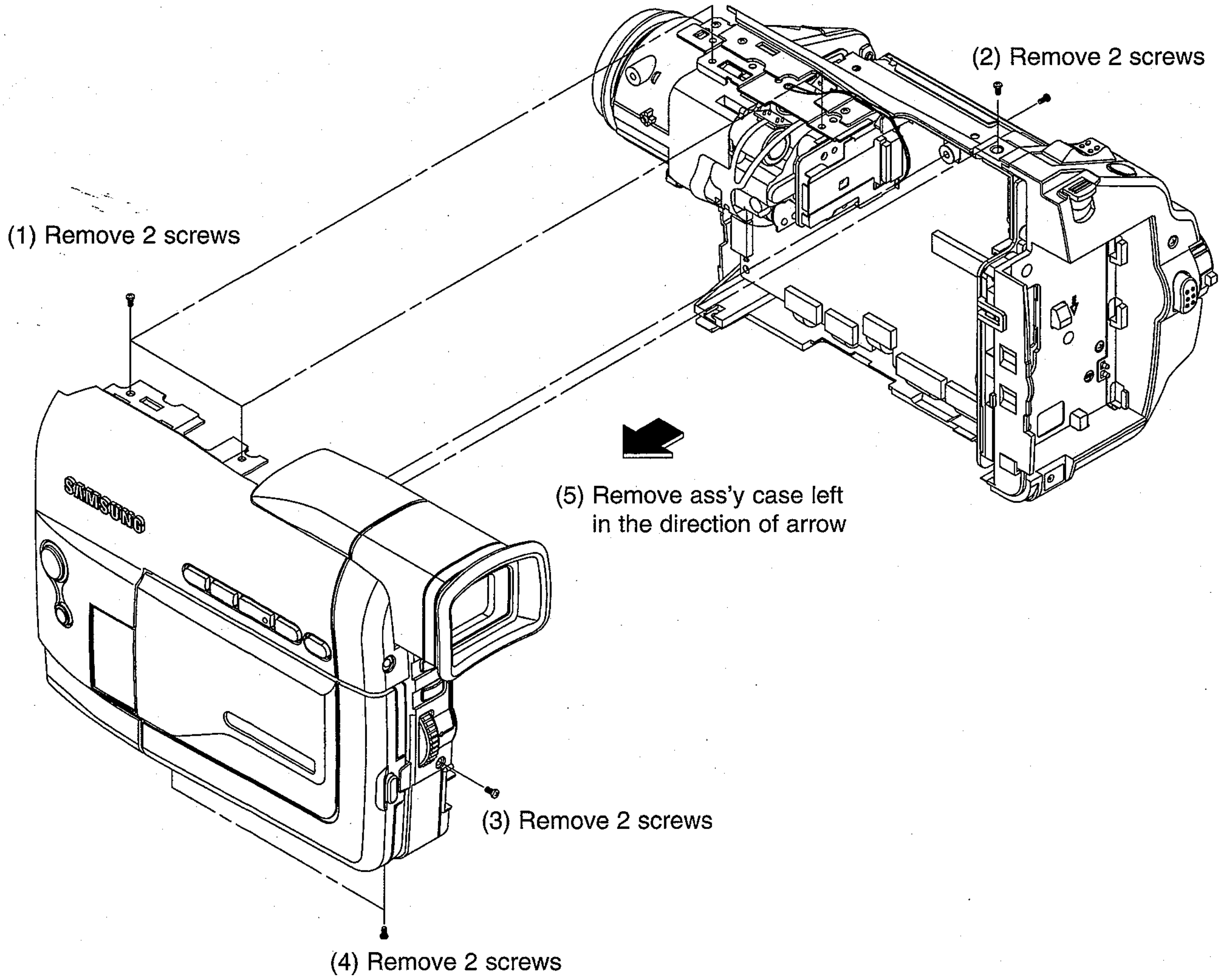

(1) Remove 2 screws
(2) Remove 2 screws
(3) Remove 2 screws
(4) Remove 2 screws
(5) Remove ass'y case left in the direction of arrow
SAMSUNG

Fig. 2-4 Ass'y Case-Left removal

2-1-5 Ass'y Case-Right removal

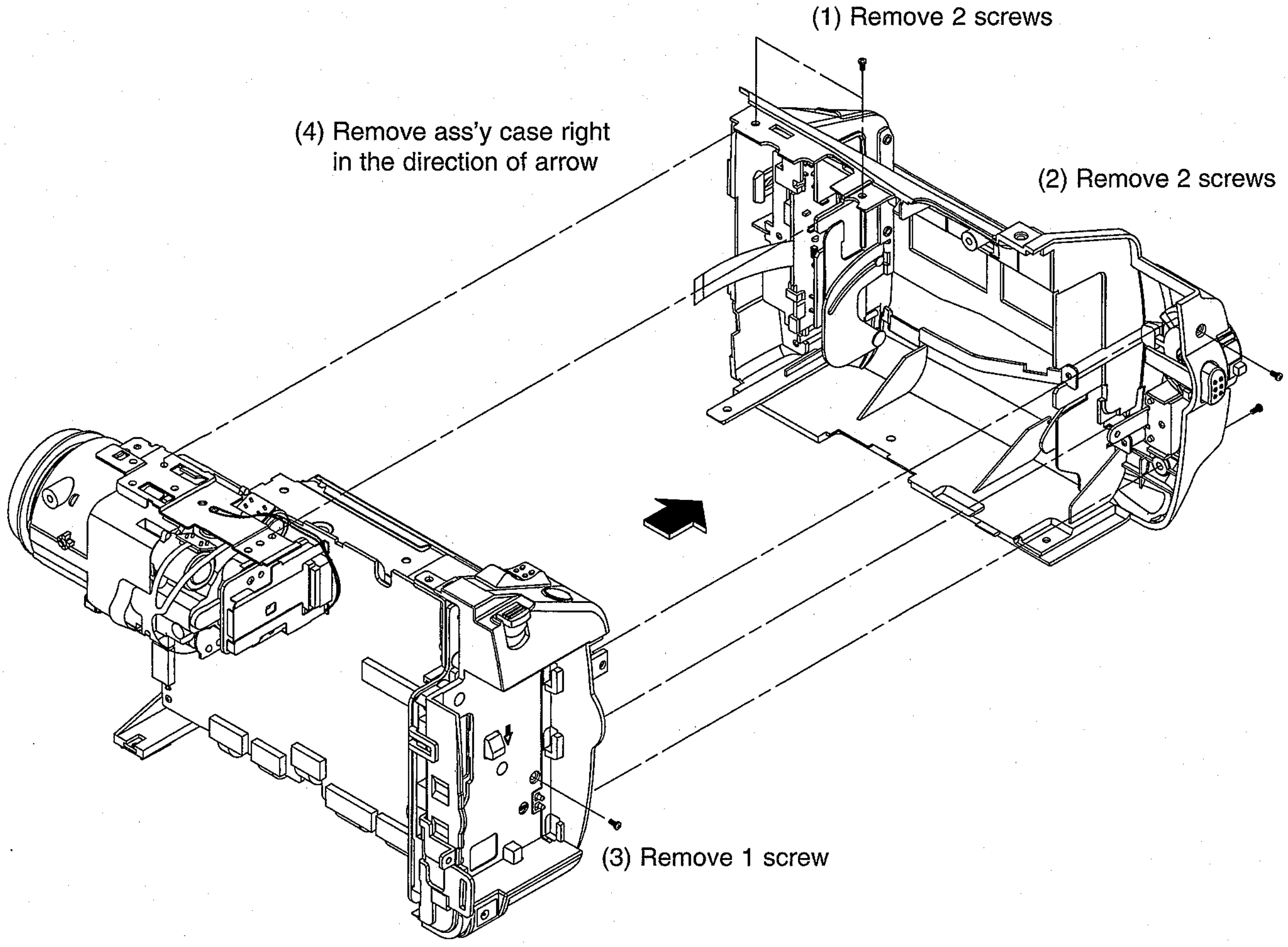
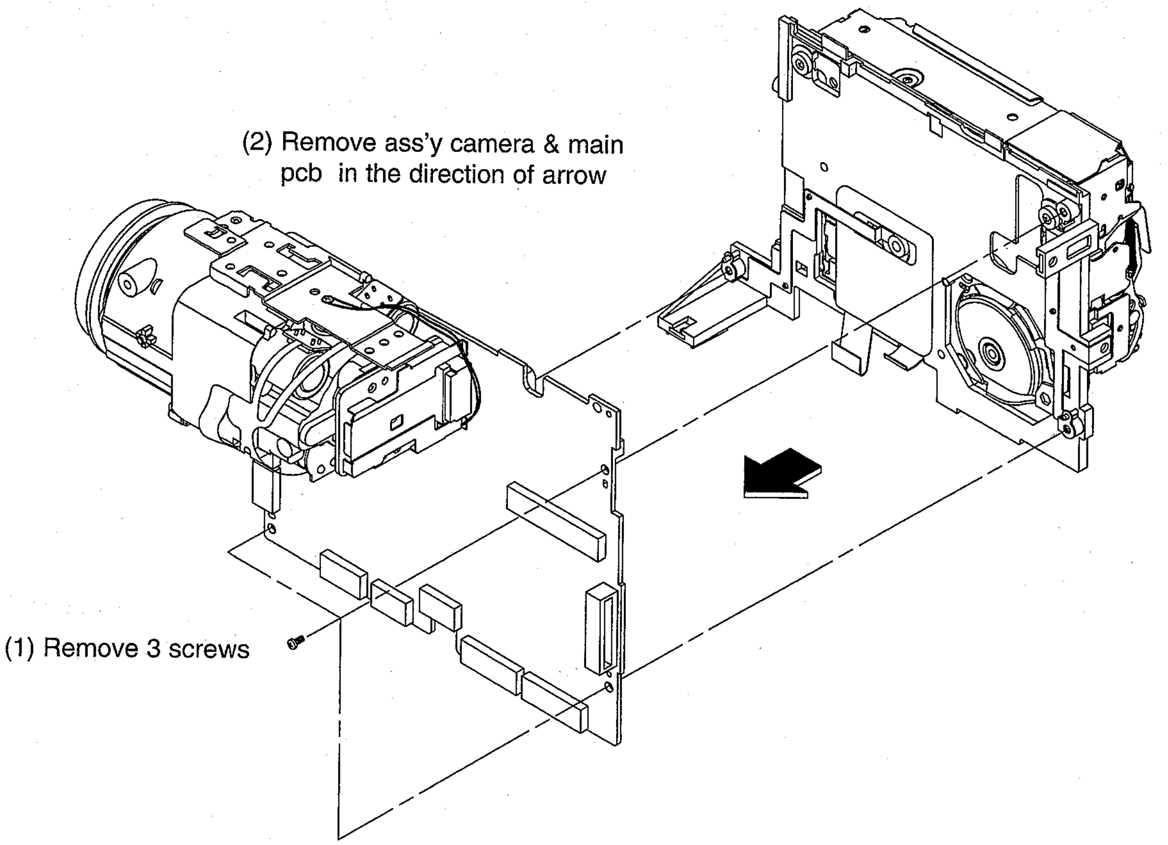

(1) Remove 2 screws
(4) Remove ass'y case right in the direction of arrow
(2) Remove 2 screws
(3) Remove 1 screw

Fig. 2-5 Ass'y Case-Right removal

2-1-6 Ass'y Camera & Main PCB removal


(2) Remove ass'y camera & main pcb in the direction of arrow

(1) Remove 3 screws

Fig. 2-6 Ass'y Camera & Main PCB removal

2-1-7 Ass'y-Camera removal

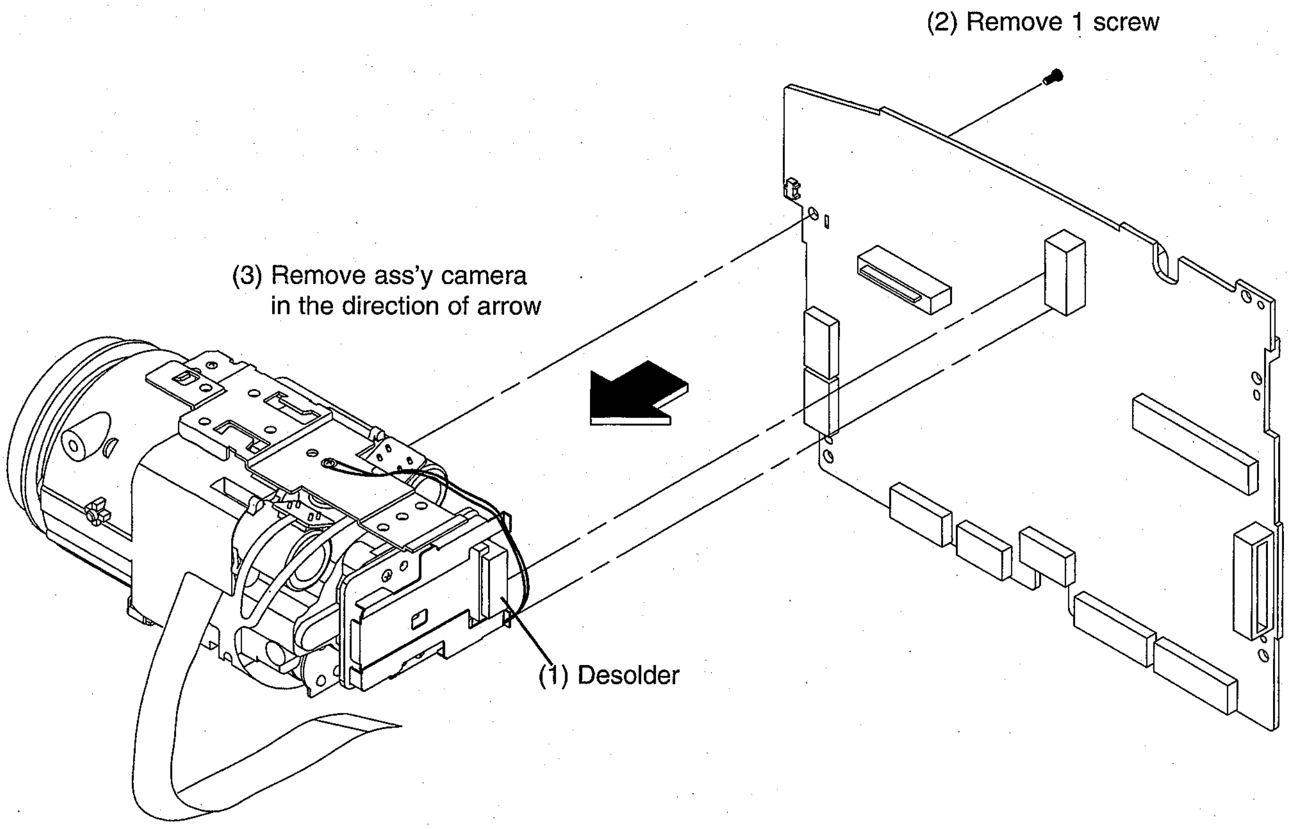

(2) Remove 1 screw
(3) Remove ass'y camera
in the direction of arrow
(1) Desolder

Fig. 2-7 Ass'y Camera removal

2-2 Circuit Boards Location

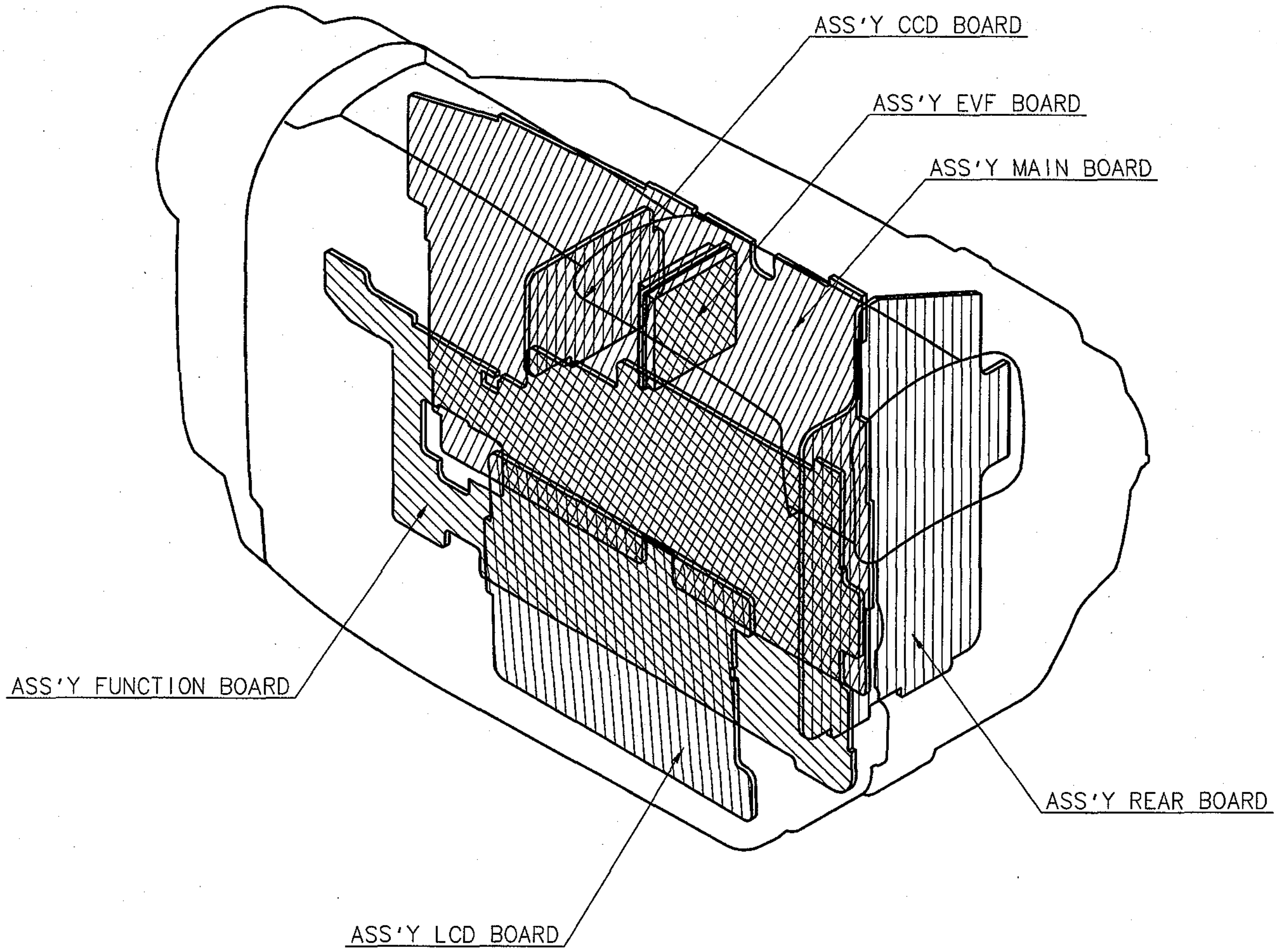
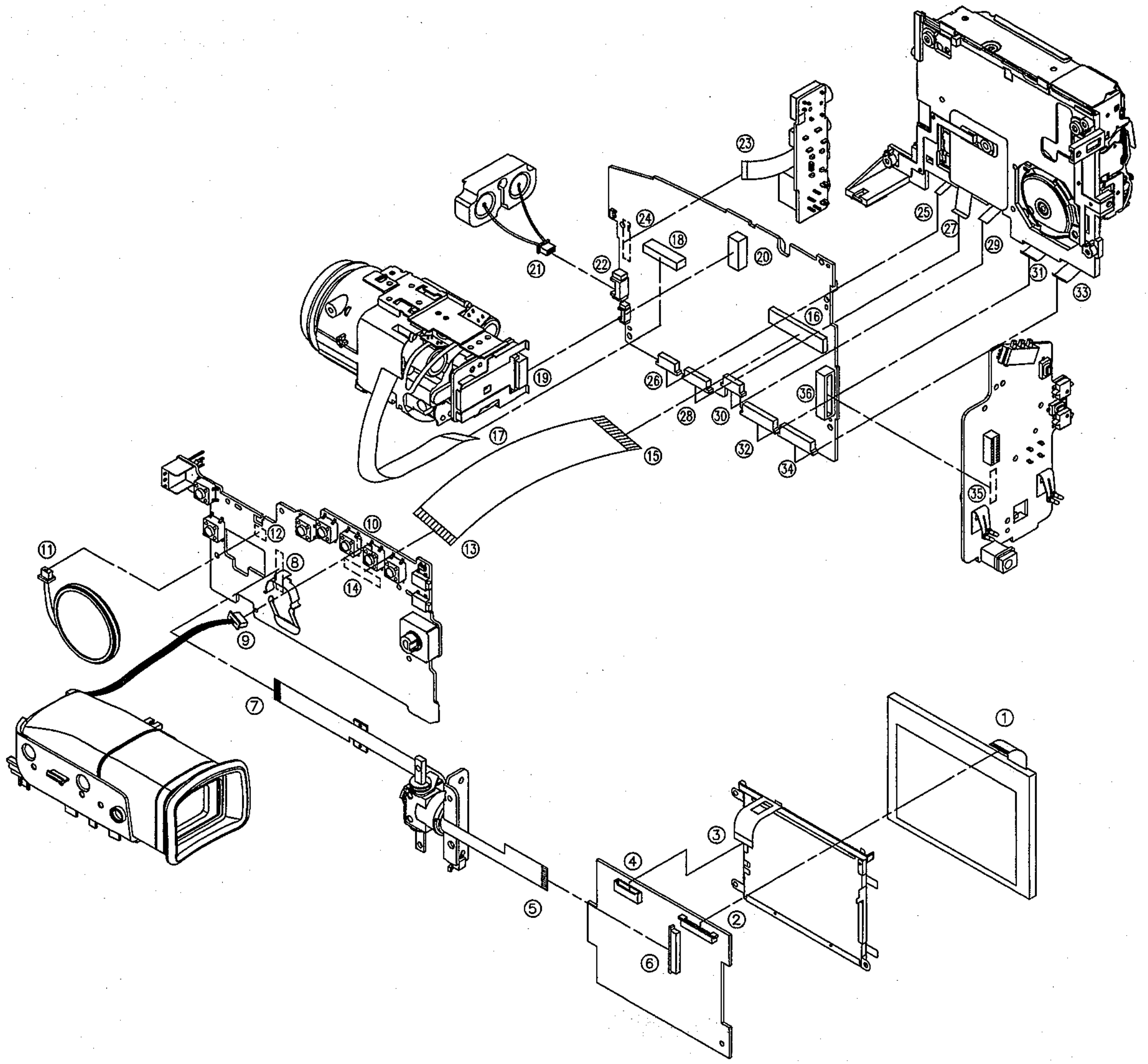

ASS'Y CCD BOARD
ASS'Y EVF BOARD
ASS'Y MAIN BOARD
ASS'Y FUNCTION BOARD
ASS'Y REAR BOARD
ASS'Y LCD BOARD

Fig. 2-8 Circuit Boards Location

2-3 Connector Diagram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⑧
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⑭
⑨
⑦
①
③
④
⑤
②
⑥

Fig. 2-9 Connector Diagram

3. Alignment and Adjustment

3-1. VCR Adjustment

3-1-1. VCR Adjustment Preparation

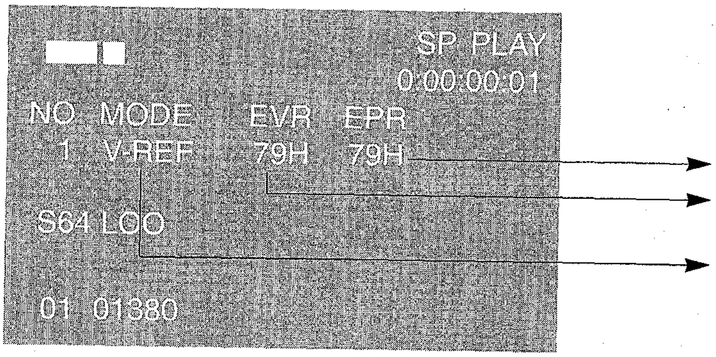
1. How to get into the VCR adjust mode.

STEP 1

1. Connect the power source.
2. Set the mode switch of the video camera to "PLAYER" position.
3. Insert standard tape into the video camera and set to "PLAY" position.
4. Press the "PLAY" button on the video camera or the remote control

STEP 2

1. Press and hold the "F.ADV" button on the remote control and "ENTER" button on the video camera at the same time for more than 10 seconds.
2. When monitor OSD appears as shown below, VCR adjustment mode has been activated successfully.
3. When changing the adjustment item after the adjusted value is designated, press the "START/STOP" button.



```
                    SP PLAY
                 0:00:00:01
NO  MODE   EVR  EPR
 1  V-REF  79H  79H

S64 LOO

01  01380
```

Indicates preset values

Indicates the adjusted values

Indicates current adjustment item.

Fig.1. RIGHT CASE

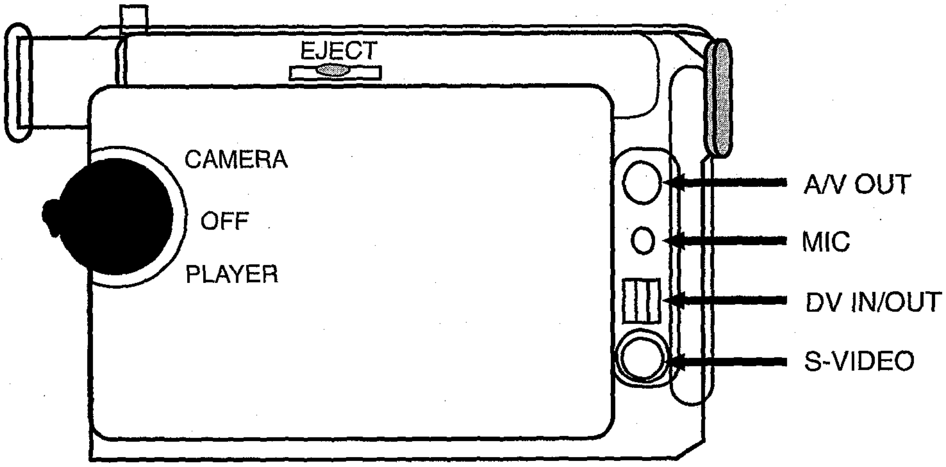
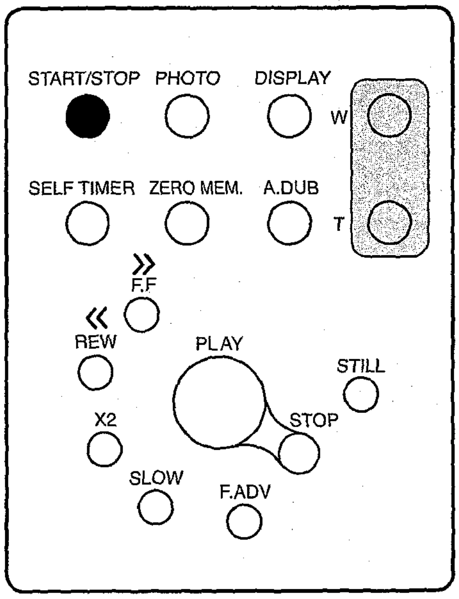

EJECT
CAMERA
OFF
PLAYER
A/V OUT
MIC
DV IN/OUT
S-VIDEO

Fig.2. REMOCON KEY


START/STOP
PHOTO
DISPLAY
W
SELF TIMER
ZERO MEM.
A.DUB
T
F.F
REW
PLAY
STILL
X2
STOP
SLOW
F.ADV

STEP 3 . If you want to finish the adjustment mode, you have to do Power Reset.
The Power Reset means that you pull out the power source and pull in it again.

3-1-2. VCR Adjustment

1. VCR Adjustment Items

Items	Adj. value	Description
V-REF	Adjustment	Video reference
EXTRA	7D	Audio VCO PLL
RECCUR	80	REC current
A-REF1	80	Audio 48KHz mode
A-REF2	80	Audio 44.1KHz mode
A-REF3	80	Audio 32KHz mode
HDSWP	Adjustment	Head Adjust switch
ZOOMVR	Adjustment	Adjust center value in the ZOOM switch
OPTION	MODELOPTION	RESERVED(fixed value)
DUBCUR	80	DUB REC CURRENT

* MODELOPTION

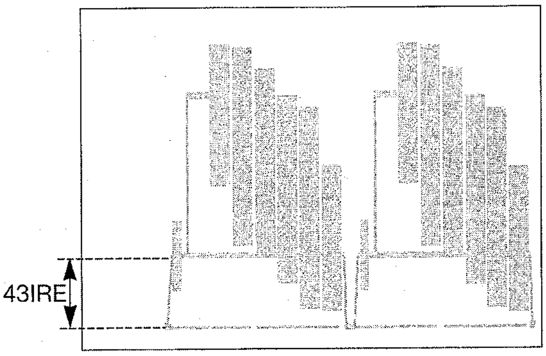
Model	Adj.value	Model	Adj.value
VP-D70	O2	SC-D70	O6
VP-D73	C2	SC-D73	C6
VP-D75	CA	SC-D75	CE
VP-D77	D2	SC-D77	D6

2. How to adjust Video-Reference (V-REF).

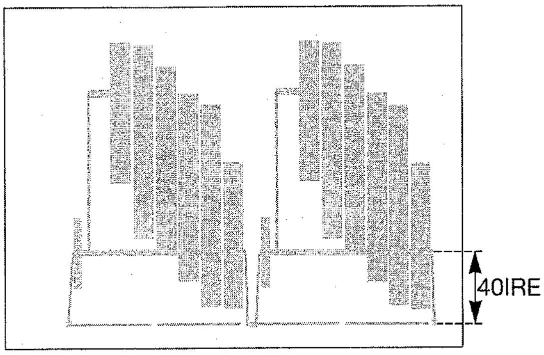
1) Connect video output cable to wave form scope. The wave form scope must be connected to monitor. (75Ω termination)

2) Set to the VCR adjustment mode.

3) Adjust VREF so that SYNC level of video output signal is PAL(43 IRE) and NTSC(40 IRE).



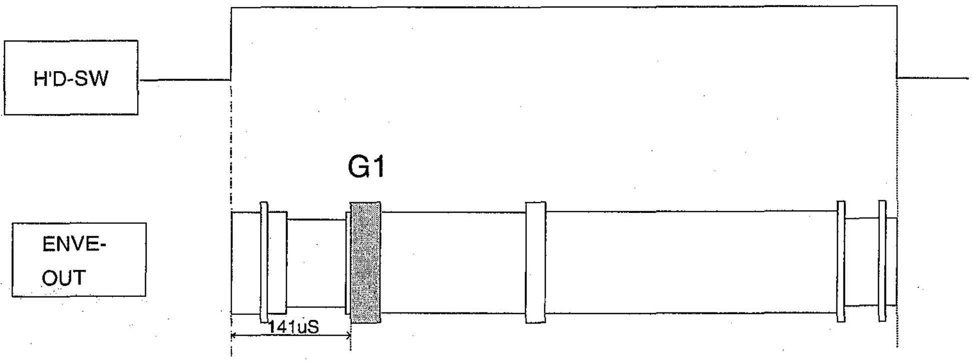
PAL



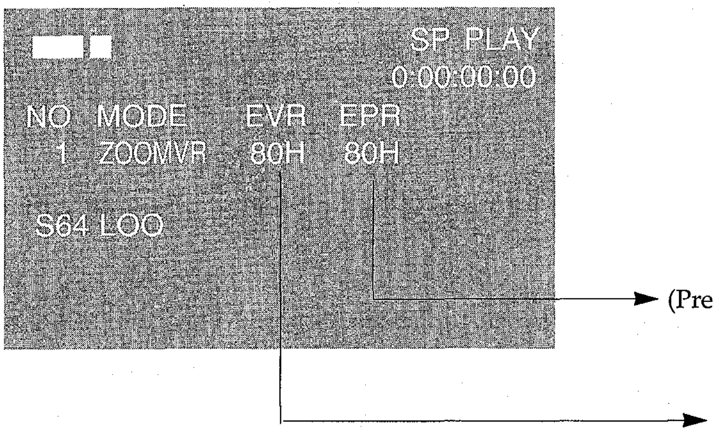
NTSC

3. How to adjust Head Switching (HDSWP)

1) Connect No. 2 pin of WAFER CNR02 (HEAD-SW signal) for adjustment to CH1 of oscilloscope.
2) Connect No. 3 pin of WAFER CNR02 (ENVE-OUT signal) for adjustment to CH2 of oscilloscope.
3) Play standard tape.
4) Select HDSW of the video adjustment mode.
5) Adjust so that the time between HEAD-SW START and G1 START OF ENVE-OUT is 141µs (±10µs).



4. Center Value Adjustment of Zoom Switch



```
SP PLAY
0:00:00:00
NO MODE    EVR  EPR
 1 ZOOMVR  80H  80H

S64 LOO
```

(Preset value of the Zoom SW)

(Adjusted value of the Zoom SW)

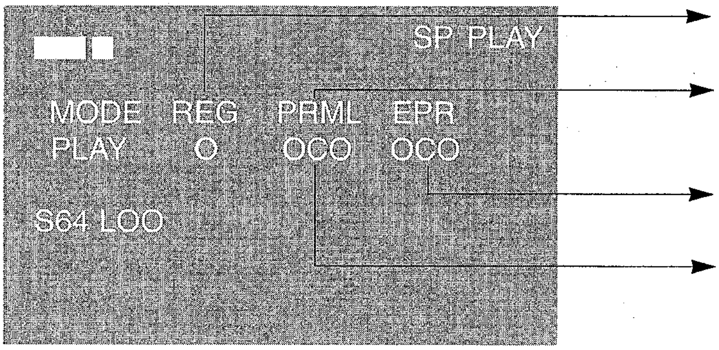
1) Select ZOOMVR in the video adjustment mode.
2) Adjust ZOOM SW so that the switch is put in the middle of T and W.
3) Adjust ZOOMVR so that the current value of ZOOM SW is equal to the adjusted ZOOMVR value.

3-1-3. PRML Adjustment Preparation

1. How to set up PRML Adjustment Mode

PRML Adjustment Setup

1. Press the Display button in VCR adjustment mode.
2. When monitor OSD appears as shown below, PRML adjustment mode has been activated successfully.


SP PLAY
MODE REG PRML EPR
PLAY O OCO OCO
S64 LOO

Indicates address of adjusting item by using from 00 to 24.

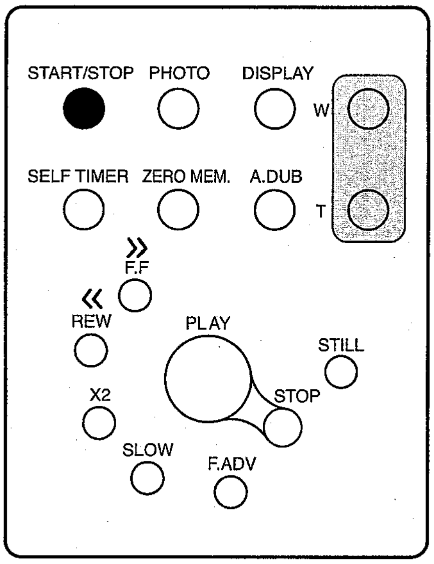
Indicates operating mode of PRML.

Indicates preset values.

Indicates the adjusted values.

2. Remote Control Button Location

Remote Control


START/STOP
PHOTO
DISPLAY
W
SELF TIMER
ZERO MEM.
A.DUB
T
F.F
REW
PLAY
STILL
X2
STOP
SLOW
F.ADV

3. Press the Address selection button(START/STOP button) to skip the next address in order to finish the adjustment and store data. After finishing the adjustment, you have to do power reset.

* The PRML BER will be set to the right adjustment when shipping out video camera and PCB ASSY from factory.

3-1-4. PRML Adjustment

1. How to set up PRML Adjustment Mode

Address	Name	MODE				
		SP		LP		VP
		PB	SEARCH/SLOW	PB	SEARCH	SLOW
00	PGC/SQPI/FIRO	0C0	0C0	0C0	0C0	0C0
01	IDO/DOD/ATFAQ/FIR4	000	000	000	000	000
02	GDH0/FIR1H0	300	300	7C0	7C0	7C0
03	GDH1/FIR1H1	300	300	7C0	7C0	7C0
04	LPGC/DATF/PGCEN/TDOI/FIR3H0	400	400	400	400	400
05	BPGC/FCLP/FIR3H1	600	600	500	500	500
06	LTG/LPGC/BPLG/TC13/TC2/FIR2	805	805	805	805	805
07	ATFFC/DOHG/ATFHG/HGSEL/SLEEP	#00	#00	#00	#C0	#80
08	DDOSC/SEFTH/DLZI/TADAPT/VIT	21E	A1E	228	A28	A28
09	ATFSEL/SYMC/DAMP	223	223	223	223	223
0A	EZCNT/LPFBYP/PDTST/...	004	004	2CA	200	200
0B	HLD/FCHO/BSTH0	22A	28A	2CA	28A	28A
0C	CMXEN/FCH1/BSTH1	22A	28A	865	28A	28A
0D	ATGH0/DOGCH0/TP1SEL	F65	865	F65	F55	F55
0E	ATGCH1/DOGCH1/TSEL	860	860	860	850	850
0F	FRQ/RLZSEL/...	00F	00F	00F	00F	00F
24	AE/DZ/INTL/.../TWR	FA2	7A2	FAF	7AF	7AF

2. BER Adjustment Specifications (Reference)

1) Get into the VCR adjustment mode.
;Press and hold the "F.ADV" button on the remote control and "ENTER" button on the video camera at the same time for more than 10 seconds.
2) Turn off Adaptive. ....7A2 ;REG24
3) Find out the optional minimum BER value in REG. 12 BOOST.
start values ....28A ;REG12
The optimum means the number error is less than 10 EA. ;Current SC-D70/VP-D70 manufacturing standard

If the minimum value is as the followings, designate as the right values.
Min .... ;Selection valueless
iess than 18 ....18 ;REG12===24A
19 ....19 ;REG12===26A
20 ....20 ;REG12===28A

4) Find out the optimally minimum BER value in REG. 11 BOOST.

start values ....28A ;REG11

The optimum means the number of error is less than 10 EA. ;Current SC-D70/VP-D70 manufacturing standard

If the minimum value is as the followings, designate as the right values.

[Add +2 to select the one.]

Min		;Selection valueless
less than18	18	;REG11 ===24A
19	19	;REG11 ===26A
20	20	;REG11 ===28A
21	21	;REG11 ===2AA

5) Turn on Adaptive. .... ;REG24 ===FA2

6) Check the value is input to unit correctly.

3-2 Camera Adjustment

Note: How to adjust the camera system.

1) EEPROM stores confirmed adjustment value of each adjustment step.
2) DSP (Digital Signal Process : ICP04-MAIN BOARD) digitalizes the camera signal.
3) When changing IC404-MAIN BOARD of EEPROM, readjust main board. While changing LCD board- and EVF board- always readjust each part.
   Since EEPROM stores confirmed adjustment value of each adjustment step, readjusting must be performed in order to store the changed data.
4) Adjust the following items after changing LENS ASSY.
   a. LENS ZOOM TRACK
   b. AUTO HALL
   c. AUTO IRIS
5) Adjust the following items after changing EEPROM and MAIN BOARD.
   a. LENS ZOOM TRACK
   b. AUTO HALL
   c. AE TARGET
   d. AUTO GAIN CONTROL
   e. AUTO IRIS
   f. AUTO WHITE BALANCE (indoor)
   g. AUTO WHITE BALANCE (outdoor)

3-2-1 Adjustment Preparation

1. Measuring Instrument

1) DC power supply
2) Oscilloscope
3) PAL vectorscope, NTSC Vectorscope
4) PAL wave form monitor, NTSC wave fonitor
5) PAL TV or monitor, NTSC TV or monitor
6) Color bar chart
   Gray scale chart

2) Camera Pcb configuration

1) Main PCB
2) CCD PCB
3) EVF PCB
4) LCD PCB

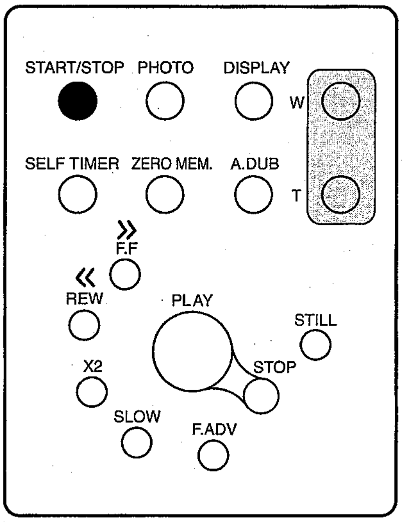
3. Before you start

1) Use the buttons on the remote control when adjusting camera.
2) Press the "START/STOP" button when storing confirmed adjustment value of each adjustment step in EEPROM.
3) There is a flicker on screen after finishing each adjustment step.
4) To clear the adjustment mode, pull out the power source.

4. Functions of each button on the Remote Control

Button	Description
START/STOP (Confirm)	Stores changed value in the adjustment and auto adjustment mode.
STOP (Data Down)	Changes data in the adjustment state.
PLAY (Data Up)	
FF (Mode Up)	Changes mode.
REW (Mode Down)	
SELF TIMER	Pre-confirm

In adjustment mode, the buttons of the remote control is as the followings.



Note: In service adjustment mode, button names are different from those in customer function control mode.
e.g.) "START/STOP" is the same as "Confirm".

5. How to set up the camera adjustment mode

STEP 1

1) Connect the power source (battery/DC cable).
2) Open Housing from video camera.
3) Set the "POWER(CAMERA/PLAYER)" switch to "CAMERA" position.
4) The OSD appears.

Note : "XX" indicates variable values.

STEP 2

Press and hold the "EDIT(+)" button and "ENTER" button on the video camera at the same time for more than 5 seconds.

STEP 3

Monitor OSD shows "16D XX XX". Then camera adjustment mode has been activated successfully.

Address	SC-D67/70	VP-D70	NAME
0	0	0	H1_INV
1	0	0	HCNT_SET
2	0	0	H1_DLY
3	0	4	SHP_DLY
4	0	0	ADCLK_DLY
5	0	0	SHP_WITH
6	A7	A6	V_SKIP
7	0	0	FLD_INV
8	0	0	Hi_SHUT_VAL
9	0	0	Lo_SHUT_VAL
A	5	5	FCM_Addr_Lo
B	0	0	FCM_Addr_Hi
C	1	1	ITUR601
D	0	3	RG_SEL
E	0	0	DAC0_PIN51
F	0	0	DAC1_PIN52
10	FF	FF	H_ZM_RATIO
11	8	0	H_ZM_START
12	0	0	H_ZM_SUB
13	0	0	V_ZM_RATIO
14	1	1	V_ZM_SUB_Odd
15	5	4	V_ZM_SKIP
16	0	0	YC_DLY
17	40	40	Linear/Spline
18	1	1	UVCLK_INV
19	B5	B5	H_Mirr_Addr
1A	68	68	F_Mirr_Addr
1B	C0	0	H_MOSAIC
1C	C0	C0	V_MOSAIC
1D	38	38	HSIZE_AUTO_ZM
1E	38	38	VSIZE_AUTO_ZM
1F	0	0	H1_INV
20	10	13	ADCLK_DLY
21	FB	FB	P_OFFSET
22	0	0	P_THR
23	0	0	P_RAM_Hi
24	0	0	P_RAM_Mdl
25	0	0	P_RAM_Lo
26	20	20	P_FIND_CNT
27	0	0	P_WH_START
28	0	0	P_WH_END
29	0	0	P_WV_START
2A	0	0	P_WV_END
2B	0	0	P_TEST
2C	0	0	PATTERN_GEN
2D	0	0	
2E	0	0	
2F	0	0	
30	AD	AD	YV_APT_BKTH
31	E	E	YH_APT_GN_POSI

Address	SC-D67/70	VP-D70	NAME
32	CE	CE	YV_APT_GN_POSI
33	2	2	YAPT_NSlice
34	D8	D8	Y_Hi_REF
35	68	68	EDGE_REF
36	E0	E0	YV_APT_LPF_SEL
37	6	6	YAPT_NS_AftGMA
38	F8	F8	YWC
39	7C	7C	Y_APT_Clip
3A	62	62	YD_ENH_TH/GAIN
3B	B9	A9	YV_APT_GN_NEGA
3C	69	69	YH_APT_GN_NEGA
3D	8F	8F	HiFALL/EGFALL
3E	0	0	
3F	0	0	
40	98	98	Y_GAIN
41	90	90	DSE_Y_GAIN
42	8A	8E	C_GAIN
43	0	0	YART
44	C0	C0	YH_PST/EMBO_GN
45	52	52	PSTL_OFFET
46	35	35	EMBO_OFFSET
47	60	60	GRP_DLY
48	0	0	
49	0	0	
4A	0	0	
4B	0	0	
4C	0	0	
4D	0	0	
4E	0	0	
4F	0	0	
50	A8	A8	DYV_APT_BKTH
51	C	C	DYHAPT_GN_POSI
52	50	50	DYHAPT_GN_NEGA
53	C	C	DYVAPT_GN_POSI
54	B0	A0	DYVAPT_GN_NEGA
55	10	10	DY_APT_NSlice
56	70	70	DY_APT_Clip
57	0	0	DYHiLight_GN
58	6	6	DYAPT_NS_GAM
59	62	62	DYDet_EN_TH/GN
5A	10	10	DYVAPT_LPF_SEL
5B	36	36	DWH_START
5C	A5	A5	DWH_END
5D	2D	2D	DWV_START
5E	7F	7F	DWV_END
5F	0	0	
60	6	6	S1/S2_SEL
61	46	46	CR_COEF
62	66	66	CB_COEF
63	A	8	CRDS

Address	SC-D67/70	VP-D70	NAME
64	0	6	CBDS
65	0	0	CGDS
66	0	0	CRCB_WB_Hi
67	32	4C	CRWB
68	AC	B5	CBWB
69	24	20	CGWB
6A	59	59	CRRG
6B	D9	D9	CBRG
6C	F2	F2	CRBG
6D	72	72	CBBG
6E	0	0	
6F	0	0	
70	90	9C	C_RY_GP
71	90	88	C_RY_GN
72	12	28	C_RY_HP
73	12	12	C_RY_HN
74	5E	70	C_BY_GP
75	58	68	C_BY_GN
76	17	5	C_BY_HP
77	A	8	C_BY_HN
78	8	0	C_KEY_Slope1
79	10	0	C_KEY_Slope2
7A	0	0	CKEY_Slpe12_Hi
7B	0	0	C_HUE_FIX
7C	0	0	
7D	0	0	
7E	0	0	
7F	0	0	
80	2	2	Y_GAMMA1
81	7	7	Y_GAMMA2
82	12	12	Y_GAMMA3
83	28	28	Y_GAMMA4
84	44	44	Y_GAMMA5
85	68	68	Y_GAMMA6
86	9A	9A	Y_GAMMA7
87	EA	EA	Y_GAMMA8
88	2	2	C_GAMMA1
89	7	7	C_GAMMA2
8A	12	12	C_GAMMA3
8B	28	28	C_GAMMA4
8C	44	44	C_GAMMA5
8D	68	68	C_GAMMA6
8E	9A	9A	C_GAMMA7
8F	EA	EA	C_GAMMA8
90	48	47	AF_W1H_STRT
91	B0	AF	AF_W1H_END
92	23	2A	AF_W1V_STRT
93	5A	6C	AF_W1V_END
94	14	13	AF_W2H_STRT
95	E4	E3	AF_W2H_END

Address	SC-D67/70	VP-D70	NAME
96	8	9	AF_W2V_STRT
97	76	8E	AF_W2V_END
98	14	13	AE_W1H_STRT
99	E4	E3	AE_W1H_END
9A	8	9	AE_W1V_STRT
9B	76	8E	AE_W1V_END
9C	48	47	AE_W2H_STRT
9D	B0	AF	AE_W2H_END
9E	23	2A	AE_W2V_STRT
9F	5A	6C	AE_W2V_END
A0	17	16	AWB_H_STRT
A1	E7	E6	AWB_H_END
A2	8	9	AWB_V_STRT
A3	76	8E	AWB_V_END
A4	FF	FF	AE_THR_HiGH
A5	0	0	AE_THR_LOW
A6	B0	A0	AWB_THR_HiGH
A7	40	40	AWB_THR_LOW
A8	B0	B0	AF_Clip_THR
A9	F0	F0	AE_Clip_THR
AA	4	4	OZONE_SEL
AB	0	0	
AC	0	0	
AD	0	0	
AE	0	0	
AF	0	0	
B0	0	0	DIS-DIS ON
B1	98	98	DIS-FRAME
B2	80	C0	DIS-DVC
B3	0	0	DIS-KX
B4	0	0	DIS-KY
B5	86	8C	DIS_SP_H
B6	14	19	DIS_SP_V
B7	D2	D2	DIS_WIDTHL
B8	2	2	DIS_WIDTHH
B9	F2	20	DIS_HEIGHTL
BA	0	1	DIS_HEIGHTH
BB	50	4A	DIS_PIP_HSPL
BC	2	2	DIS_PIP_HSPH
BD	90	A7	DIS_PIP_VSPL
BE	0	0	DIS_PIP_VSPH
BF	2F	2F	DIS_PBOX_HSPL
C0	2	2	DIS_PBOX_HSPH
C1	BF	BF	DIS_PBOX_VSPL
C2	0	0	DIS_PBOX_VSPH
C3	2	2	DIS_PIP_DSP_HADJ
C4	2	2	DIS_PIP_DSP_VADJ
C5	0	0	DIS_PBOX_DSP_HADJ
C6	0	0	DIS_PBOX_DSP_VADJ
C7	66	6B	DIS_OUT_OFF

Address	SC-D67/70	VP-D70	NAME
C8	66	6B	DIS_OUT_OFF1
C9	5	5	DIS_GR_MODE
CA	14	13	DIS_CLK2_SEL
CB	80	C0	DIS_SIS2_SEL0
CC	25	25	DIS_OSD_SEL
CD	0	0	DIS_PIP_SIS2_SEL
CE	70	76	DIS_DCLP_R
CF	78	7E	DIS_DCLP_F
D0	4	8	DIS_YHAFS
D1	C0	C0	DIS_APCLP
D2	8	8	DIS_APSC
D3	0	0	DIS_ECST
D4	0	0	DIS_ECSG
D5	83	83	DIS_G1
D6	8F	8D	DIS_G0
D7	0	0	DIS_HUE1_OFF
D8	0	0	DIS_ECHUE1
D9	0	0	DIS_ECHUE2
DA	10	10	DIS_APSCV
DB	F0	F0	DIS_WV1
DC	90	90	DIS_WH1
DD	4	4	DIS_OVERLAY
DE	0	0	DIS_T0
DF	10	10	DIS_MAN_T0
E0	2	2	DIS_TIIR_TH
E1	0	0	DIS_LINEAR
E2	0	0	DIS_GA0
E3	8	8	DIS_GA1
E4	10	10	DIS_GA2
E5	18	18	DIS_GA3
E6	20	20	DIS-GA4
E7	30	30	DIS_GA5
E8	40	40	DIS_GA6
E9	60	60	DIS_GA7
EA	7F	7F	DIS_GA8
EB	0	0	DIS_GB0
EC	8	8	DIS_GB1
ED	10	10	DIS_GB2
EE	18	18	DIS_GB3
EF	20	20	DIS_GB4
F0	30	30	DIS_GB5
F1	40	40	DIS_GB6
F2	60	60	DIS_GB7
F3	7F	7F	DIS_GB8
F4	43	43	DIS_SP_HM
F5	14	1A	DIS_SP_VM
F6	DC	7	DIS_HEIGHTML
F7	0	1	DIS_HEIGHTMH
F8	C6	F6	DIS_WIDTHML
F9	2	2	DIS_WIDTHMH

Address	SC-D67/70	VP-D70	NAME
FA	FB	FB	DIS_KXMD
FB	FB	FB	DIS_KYMD
FC	F7	F7	DIS_OSD_MODE
FD	C1	C1	DIS_DIS_ENX
FE	0	0	DIS_OXL
FF	0	0	DIS_OXH
100	0	0	DIS_OY
101	0	0	DIS_CX
102	0	0	DIS_CY
103	22	22	DIS_AX/AY
104	33	33	DIS_AUTO_CENT
105	88	88	DIS_VGGAINX
106	21	21	DIS_VGSTEP
107	48	48	DIS_THR_SEL
108	11	11	DIS_CXY_BIAS
109	A5	A5	DIS_MATCHX_EN
10A	A5	A5	DIS_MATCHY_EN
10B	68	68	DIS_SHMFBC
10C	E0	E0	DIS_MVIIR_EN
10D	24	24	DIS_OZNSEL
10E	73	8A	DIS_OAEVE_WB
10F	1D	21	DIS_OAEVS_WB
110	E5	E6	DIS_OAEHE_WB
111	15	19	DIS_OAEHS_WB
112	57	69	DIS_OAEVE_WA
113	21	27	DIS_OAEVS_WA
114	B1	B2	DIS_OAEHE_WA
115	49	4C	DIS_OAEHS_WA
116	57	69	DIS_OAFVE_W2
117	21	27	DIS_OAFVS_W2
118	B1	B2	DIS_OAFHE_W2
119	49	4C	DIS_OAFHS_W2
11A	73	8A	DIS_OAFVE_W1
11B	6	6	DIS_OAFVS_W1
11C	E5	E6	DIS_OAFHE_W1
11D	15	19	DIS_OAFHS_W1
11E	0	0	DIS_OYL_TH
11F	FF	FF	DIS_OYH_TH
120	80	80	DIS_OAECLIP_TH
121	F0	F0	DIS_OAFCLIP_TH
122	0	0	DIS_PFCNT_M1
123	10	10	DIS_PTHRESH
124	0	0	DIS_POFFSET
125	3	3	DIS_PCMD
126	0	0	DIS_PRAMIL
127	0	0	DIS_PRAMIM
128	0	0	DIS_PRAMIH
129	0	0	DIS_PRAMA_M1
12A	0	0	
12B	0	0	

Address	SC-D67/70	VP-D70	NAME
12C	0	0	
12D	0	0	
12E	0	0	
12F	0	0	
130	0	0	CDS_CONTROL1H
131	0	0	CDS_CONTROL1L
132	0	0	CDS_AGCH
133	85	85	CDS_AGCL
134	0	0	CDS_HALL_GAINH
135	25	25	CDS_HALL_GAINL
136	0	0	CDS_HALL_REFH
137	C8	C8	CDS_HALL_REFL
138	0	0	CDS_COARSE_OFFSETH
139	0	0	CDS_COARSE_OFFSETL
13A	0	0	CDS_FINE_OFFSETH
13B	0	0	CDS_FINE_OFFSETL
13C	0	0	CDS_VBH
13D	0	0	CDS_VBL
13E	0	0	CDS_OPTBLACKH
13F	4	4	CDS_OPTBLACKL
140	0	0	CDS_HOT_PIXELH
141	1	1	CDS_HOT_PIXELL
142	0	0	CDS_COLD_PIXELH
143	0	0	CDS_COLD_PIXELL
144	0	0	CDS_CONTROL2H
145	4	4	CDS_CONTROL2L
146	0	0	CDS_BLANKH
147	0	0	CDS_BLANKL
148	0	0	CDS_DLY1_ADCLKH
149	0	0	CDS_DLY1_ADCLKL
14A	0	0	CDS_DLY2_SV_SRH
14B	0	0	CDS_DLY2_SV_SRL
14C	1	1	CDS_TESTH
14D	80	80	CDS_TESTL
14E	0	0	
14F	0	0	
150	0	0	MOTOR_HEADER
151	18	18	MOTOR_STARTTIME
152	1	1	MOTOR_DRIVETIME
153	8	8	MOTOR_CHOPPING
154	40	40	MOTOR_EXTPIN
155	44	44	MOTOR_EVRA
156	44	44	MOTOR_EVRB
157	0	0	MOTOR_CHECKSUM
158	0	0	
159	0	0	
15A	0	0	
15B	0	0	
15C	0	0	
15D	0	0	

Address	SC-D67/70	VP-D70	NAME
15E	0	0	
15F	0	0	
160	80	88	D_EEP_IRISCONH
161	FF	FF	D_EEP_IRISCONL
162	90	8E	EEP_ae_iris95ire
163	37	45	D_EEP_ae_target
164	11	15	D_EEP_ae_blc_target
165	20	2A	D_EEP_ae_hallmin
166	EF	D1	D_EEP_ae_hallmax
167	65	6A	D_EEP_ae_irismin
168	E2	CF	D_EEP_ae_irismax
169	26	24	D_EEP_ae_agcmin
16A	7C	7C	D_EEP_ae_agcmax
16B	10	10	D_EEP_ae_hallgainstr
16C	A4	A4	D_EEP_ae_halldiftar
16D	50	50	D_EEP_ae_agcmaptarget
16E	38	38	D_EEP_ae_tarpecnt
16F	20	22	BLC_target_percent
170	30	30	AE_clp_tar_ratio
171	1	1	AE_clp_tar_decmax
172	3F	3C	D_EEP_ae_startagc
173	CC	CC	D_EEP_ae_end_hvcore
174	44	44	D_EEP_ae_end_hgain
175	84	84	D_EEP_ae_end_vgain
176	18	18	D_EEP_ae_end_slice
177	2C	29	D_EEP_ae_csuppress
178	48	48	Iris_value(afhall)
179	90	90	AE_Hall_Adj
17A	14	14	AE_tar_marginsht
17B	6	6	AE_tar_margin
17C	F	F	AE_agcupstr
17D	2	2	AE_agcupamount
17E	8	8	DSP P_OFFSET cont
17F	4	4	EEP_AE_agcupsped
180	8	8	EEP_AE_method
181	0	0	EEP_AE_speed_down1
182	A	A	Iris control speed
183	5	4	EEP_AE_speed_down2
184	4E	4E	EEP_AE_damp_point
185	10	10	shutter control speed
186	10	10	AGC control speed
187	C6	E9	EEP_AE_datamax
188	60	50	EEP_AE_BLC_datamax
189	7	7	AE_adjtarh
18A	C1	C9	YV_APT_GN_NEGA
18B	89	A9	YH_APT_GN_NEGA
18C	AD	AD	D_EEP_ae_end_hvcore
18D	0	0	D_DSP_POFFSET_TEST
18E	A0	A0	D_EEP_AE_haldifmin
18F	5	5	Tele_AE_Target

Address	SC-D67/70	VP-D70	NAME
190	AA	AD	D_EEP_awb_b_3100
191	35	4F	D_EEP_awb_r_3100
192	5F	5D	D_EEP_awb_b_5100
193	58	89	D_EEP_awb_r_5100
194	A0	A3	AWB_3100_B_maxclip
195	82	B2	AWB_5100_R_maxclip
196	C8	88	AWB_tracking
197	4D	49	EEP_awb_hall_outdoor
198	EC	10	D_EEP_awb_margin_right
199	21	21	WB_BR_Slop
19A	86	5	D_EEP_awb_b_start
19B	86	1	D_EEP_awb_r_start
19C	8A	86	awb_b_gain_pecnt
19D	87	87	awb_r_gain_pecnt
19E	12	12	awb_rhuen_5100
19F	12	A	awb_rhuep_5100
1A0	12	0	awb_bhuen_5100
1A1	28	0	awb_bhuep_5100
1A2	E	E	WB_Left_margin
1A3	8	14	WB_Right_margin
1A4	76	76	WB_detect_ratio
1A5	20	20	WB tracking speed
1A6	19	20	AWB_3100_R_contup_slop
1A7	60	60	WB_Adj_start
1A8	60	60	WB_Adj_clip
1A9	5E	76	WB_STOP_Release
1AA	A	A	D_EEP_AWB_y_divide
1AB	5	4	D_EEP_awb_b3100_move
1AC	3	0	D_EEP_awb_r3100_move
1AD	0	80	D_EEP_awb_b5100_move
1AE	0	2	D_EEP_awb_r5100_move
1AF	30	30	D_EEP_awb_stable_threshold
1B0	16	17	D_EEP_ZPHOTOH
1B1	FC	12	D_EEP_ZPHOTOL
1B2	11	11	D_EEP_FPHOTOH
1B3	79	7C	D_EEP_FPHOTOL
1B4	0	FF	D_EEP_FTELEERRH
1B5	9	EA	D_EEP_FTELEERRL
1B6	0	0	D_EEP_FWIDEERRH
1B7	29	24	D_EEP_FWIDEERRL
1B8	6	6	D_EEP_ztzzver
1B9	80	80	D_EEP_af_top_thr
1BA	7E	7E	EEP_zmacro
1BB	5A	5A	EEP_ztrack_hall
1BC	18	18	AF_Low_ratio
1BD	D	D	EEP_AF_fend_bound
1BE	CA	8A	D_Mask_AF_Option
1BF	54	54	AF_ZigZag_threshold
1C0	A	A	AF_Top_threshold
1C1	4	4	AF_noise cutoff

Address	SC-D67/70	VP-D70	NAME
1C2	18	18	AF clip data threshold
1C3	1	1	Zoom track version
1C4	20	30	ZTrack_iris_max/min
1C5	12	12	AF_Ratio_min
1C6	1E	1E	AF_Top_threshold
1C7	8	8	ZTrack_hysterysis
1C8	C	C	EEP_AF_spot_thr
1C9	3	3	EEP_AF_peak_judge
1CA	6	6	Lens_Adj_threshold
1CB	0	0	D_EEP_f4perrh
1CC	10	10	D_EEP_f4perrl
1CD	0	0	D_EEP_zoomhigh
1CE	40	40	D_EEP_macroarea
1CF	40	40	D_EEP_zzlongthres
1D0	72	87	D_EEP_wt_ve
1D1	5	5	D_EEP_wt_vs
1D2	DF	DB	D_EEP_wt_he
1D3	16	16	D_EEP_wt_hs
1D4	70	70	D_EEP_wt_agc
1D5	4	4	D_EEP_wt__repeat
1D6	10	10	D_EEP_wt_poffset
1D7	1	1	D_EEP_CDS_weight
1D8	6	6	D_EEP_awbhalleff1
1D9	1	1	D_EEP_awbhalleff2
1DA	10	10	D_EEP_awbhlength
1DB	2	8	D_EEP_awb_outclip
1DC	0	0	
1DD	0	0	
1DE	A8	84	D_EEP_ae_agcstart
1DF	28	28	D_EEP_awb_inittime
1E0	D8	D8	DIS_FRAME/STILL(B1π¯¡ˆ)
1E1	C8	C8	DIS_S1S2_SEL0 (CBπ¯¡ˆ)
1E2	0	0	DIS_TO(DEπ¯¡ˆ)
1E3	0	0	DIS_MAN_TO(DFπ¯¡ˆ)
1E4	2	2	DIS_TIIR_TH(E0π¯¡ˆ)
1E5	CC	CC	DIS_S1S2_SEL0(CBπ¯¡ˆ)
1E6	5	5	DIS_GR_MODE(C9π¯¡ˆ)
1E7	66	6B	DIS_OUT_OFF(C7π¯¡ˆ)
1E8	98	98	DIS_FRAME/STILL(B1π¯¡ˆ)
1E9	80	E0	DIS_S1S2_SEL0(CBπ¯¡ˆ)
1EA	AA	AA	DIS_TO(DEπ¯¡ˆ)
1EB	0	0	DIS_MAN_TO(DFπ¯¡ˆ)
1EC	0	0	DIS_TIIR_TH(E0π¯¡ˆ)
1ED	66	6B	DIS_OUT_OFF1(C8π¯¡ˆ)
1EE	80	88	EEP_LowShut_cb_stil(CB)
1EF	80	88	EEP_LowShut_cb_stop(CB)
1F0	ED	ED	D_EEP_dis_dzstr
1F1	D5	D5	D_EEP_dis_dztele
1F2	D4	D4	D_EEP_dis_dzend
1F3	EA	EA	D_EEP_dis_wide_dz

Address	SC-D67/70	VP-D70	NAME
1F4	F8	F8	D_EEP_wide_dz
1F5	FA	FA	D_EEP_dis_dz(A)
1F6	F6	F6	D_EEP_dis_dz(B)
1F7	21	21	wide_dz(A)_point
1F8	32	32	wide_dz(B)_point
1F9	72	72	wide_dz(C)_point
1FA	28	28	D_EEP_disdemo_spd
1F5	0	0	
1F6	0	0	
1F7	0	0	
1FE	0	0	
1FF	0	0	
200	98	98	DIS_FRAME/STILL(B1π¯¡ˆ)
201	0	0	DIS_TO(DEπ¯¡ˆ)
202	80	80	DIS_MAN_TO(DFπ¯¡ˆ)
203	2	2	DIS_TIIR_TH(E0π¯¡ˆ)
204	7	7	D_EEP_dis_agcstop
205	0	0	D_EEP_dis_shten
206	C	C	D_EEP_dis_weight
207	10	10	D_EEP_dis_thresh
208	7	7	DIS_VGGAINX_TELE
209	7	7	DIS_VGGAINX_MIDDLE
20A	1	1	DIS_VGGAINX_WIDE
20B	10	10	DIS_V(x)_Criterion_ A
20C	20	20	DIS_V(x)_constant_C
20D	12	12	D_EEP_up_sht_agc
20E	31	31	D_EEP_down_sht_agc
20F	74	74	D_EEP_ae_agcmax_default
210	38	38	DSP_Hzoom_size
211	38	38	DSP_Vzoom_size
212	4	4	DSP_VSKIP_Default
213	0	0	MODE0_PIN38
214	80	80	EEP_Art_43
215	0	0	EEP_Emboss_43
216	5F	5F	EEP_Emboss_44
217	48	48	EEP_Emboss_46
218	AA	AA	EEP_Emboss_50
219	0	0	EEP_Emboss_51
21A	90	90	EEP_Emboss_52
21B	12	12	EEP_Emboss_53
21C	90	90	EEP_Emboss_54
21D	F	F	EEP_Emboss_55
21E	BF	BF	EEP_Emboss_56
21F	10	10	EEP_Emboss_57
220	18	18	EEP_Emboss_58
221	10	10	EEP_Emboss_59
222	0	0	EEP_Emboss_5A
223	20	20	EEP_Sepia_63
224	A0	A0	EEP_Sepia_72
225	3	3	D_EEP_still_cgain_n

Address	SC-D67/70	VP-D70	NAME
226	3	3	D_EEP_still_cgain_agc
227	0	0	D_EEP BW/MAKEUP_2
228	0	4	D_EEP BW/MAKEUP_3
229	0	0	D_EEP BW/MAKEUP_4
22A	A	A	LShutNORcsuppress
22B	2C	29	Lshutagc_csuppress
22C	74	74	ae_hall_limit_up
22D	68	68	ae_hall_limit_down
22E	2	2	D_EEP_zt_macro_zz
22F	0	0	
230	10	10	PI_one move zoom_H
231	0	0	PI_one move zoom_L
232	10	10	PI_one move focus_H
233	0	0	PI_one move focus_L
234	C	C	PI_lens check zoom 1
235	C	C	PI_lens check zoom 2
236	20	20	PI_lens check zoom 3
237	30	30	PI_lens check zoom 4
238	20	20	PI_lens check zoom 5
239	20	20	PI_lens check zoom 6
23A	3B	3B	PI_R out data
23B	73	73	PI_B out data
23C	92	92	PI_iris out data
23D	0	0	D_EEP_adj_out
23E	8	8	uart_baud
23F	1	0	D_EEP_MODEL
240	0	0	D_EEP_pannel_addrh
241	B3	B4	D_EEP_pannel_addrL
242	0	0	D_EEP_data_display
243	0	0	
244	0	0	EEPROM Initialize
245	0	0	
246	FF	FF	D_EEP_lensadj_iris2
247	A0	A0	D_EEP_lensadj_iris
248	38	38	D_EEP_IRIS_SPD1
249	50	50	D_EEP_IRIS_SPD2
24A	70	70	D_EEP_IRIS_SPD3
24B	40	40	D_EEP_IRIS_SPD4
24C	38	38	D_EEP_SHUTTUD_SPD1
24D	C8	C8	D_EEP_hallrefstart
24E	0	0	program version(M)
24F	0	0	program version(D)
250	A7	A6	D_EEF_LCD_06
251	1	1	D_EEF_LCD_2C
252	FF	FF	D_EEF_LCD_42
253	26	26	D_EEF_LCD_60
254	40	40	D_EEF_LCD_70
255	40	40	D_EEF_LCD_71
256	F8	F8	D_EEF_LCD_72
257	F8	F8	D_EEF_LCD_73

Address	SC-D67/70	VP-D70	NAME
258	40	40	D_EEF_LCD_74
259	40	40	D_EEF_LCD_75
25A	F8	F8	D_EEF_LCD_76
25B	F8	F8	D_EEF_LCD_77
25C	3B	3B	LCD_CRWB_67
25D	56	56	LCD_CBWB_68
25E	24	24	LCD_CGWB_69
25F	0	0	
260	0	0	SET_LENS_ADJ
261	0	0	SET_HALL_ADJ
262	90	90	SET_AE_TARGET_ADJ
263	0	0	SET_AGC_MAX_ADJ
264	0	0	SET_IRIS_ADJ
265	0	0	SET_3100K_ADJ
266	0	0	SET_5100K_ADJ
267	0	0	
268	0	0	PI_PROGRAM
269	0	0	PI_PROGRAM
26A	0	0	
26B	0	0	
26C	0	0	
26D	0	0	
26E	0	0	
26F	0	0	
270	30	30	Manual_iris25
271	40	40	Manual_iris26
272	50	50	Manual_iris27
273	60	60	Manual_iris28
274	6C	6C	Manual_iris29
275	0	0	
276	E9	E9	ZM table control
277	0	2	DIS POWER SAVE
278	0	0	
279	0	0	
27A	8	8	D_EEP_right_divid
27B	4	4	D_EEP_left_divid
27C	4	4	D_EEP_clip_threshold
27D	10	10	D_EEP_bover_length
27E	10	10	
27F	0	0	
280	0	0	
281	0	0	
282	0	0	
283	0	0	
284	0	0	
285	0	0	
286	0	0	
287	0	0	
288	0	0	
289	0	0	

Address	SC-D67/70	VP-D70	NAME
28A	0	0	
28B	0	0	
28C	0	0	
28D	0	0	
28E	0	0	
28F	0	0	
2F0	0	0	
2F1	0	0	
2F2	0	0	
2F3	0	0	
2F4	0	0	
2F5	0	0	
2F6	0	0	
2F7	0	0	
2F8	0	0	
2F9	0	0	
2FA	0	0	
2FB	0	0	
2FC	0	0	
2FD	0	0	
2FE	0	0	
2FF	0	0	

3-2-2 Camera Adjustment

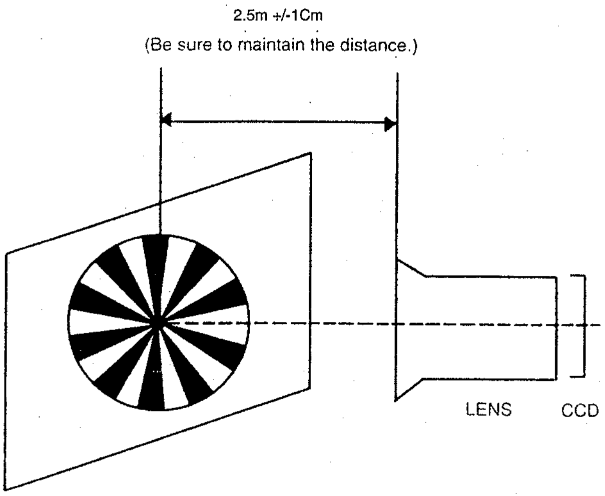
Note : "XX XX" indicate the previous preset value and adjusted value. Press the START/STOP (Confirm) button to store the adjusted value.

16D	XX	XX
	(Adjusted value)	(Stored value)

1. LENS ZOOM TRACK

Caution : For whole zoom range, it shall be in focus. The location of a focus lens is moving depending on the location of zoom lens. During adjusting, micom measures the focus location from a near distance to a long.

1) Camera is set to E-E mode.
2) Focus chart photo (the last page of manual)
3) Ensure that camera is left an about 2.5 m distance from a focus chart and the focus of lens is placed vertically. Attach a focus chart to white or gray wall of a flat surface.
4) Connect a video output terminal to a TV.
5) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "260 XX XX".
6) Press the START/STOP (Confirm) button. Never impact on the lens when adjusting zoom and focus lens. There's is a flicker on screen after finishing the adjustment.



2. AUTO HALL

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "261 XX XX".
4) Press the START/STOP (Confirm) button.
5) Then micom finds out max. Hall value with an iris opened and min. Hall value with an iris closed. Store max. and min. value of Hall in 164 and 165 respectively.
6) There's is a flicker on screen after finishing the adjustment.

3. AE TARGET LEVEL

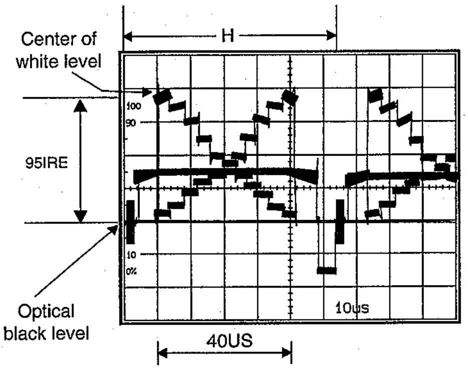
1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a wave form monitor and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "262 XX XX".
4) Press the SELF TIMER (PRE-CONFIRM) button.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the signal level is 90IRE.
6) Press the START/STOP (Confirm) button.
7) There's is a flicker on screen after finishing the adjustment.

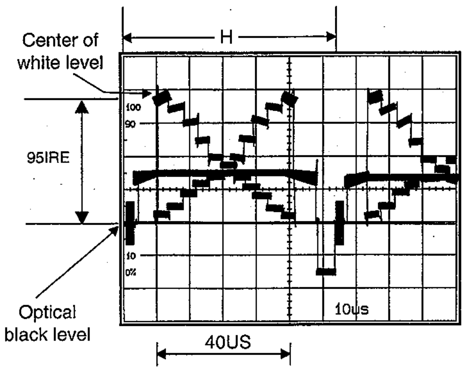
4. AUTO GAIN CONTROL

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a wave form monitor and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "263 XX XX".
4) Press the START/STOP (Confirm)button. Then micom finds out the beginning value of AGC and stores the value in 16A
5) There's is a flicker on screen after finishing the adjustment.

5. AUTO IRIS LEVEL

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a wave form monitor and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "264 XX XX".
4) Press the START/STOP (Confirm) button.
5) Then micom finds out max. Hall value with an iris opened and min. Hall value with an iris closed. Store max. and min. value of in 167and 168 respectively.
6) There's is a flicker on screen after finishing the adjustment.





6. AUTO WHITE BALANCE (indoor)

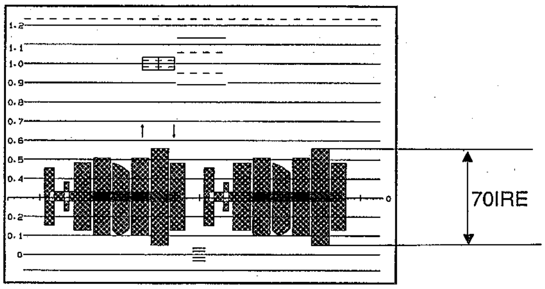
1) Camera mode & 3100° K/5100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "265 XX XX".
4) Ensure that camera picks up image 40µs on 3100°K gray scale chart precisely and the illumination is 1500-2000 Lux.
5) Press the START/STOP (Confirm) button to ensure that white spot on a vectorscope is moving in the middle of screen.
6) There's is a flicker on screen after finishing the adjustment.

7. AUTO WHITE BALANCE (outdoor)

1) Camera mode & 3100° K/5100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "266 XX XX".
4) Ensure that camera picks up image 40 on 5100 gray scale chart (3100 gray scale chart + C16 filter) precisely and the illumination is 1500-2000 Lux.
5) Press the START/STOP (Confirm) button to ensure that white spot on a vectorscope is moving in the middle of screen.
6) There's is a flicker on screen after finishing the adjustment.

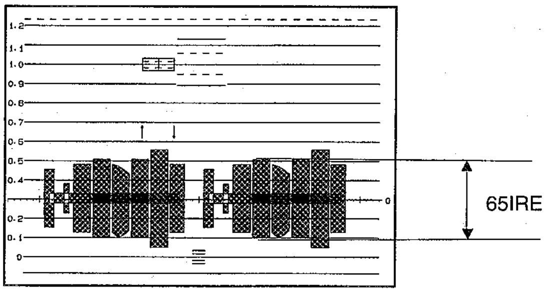
8. R-Y POSITIVE GAIN

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "70 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the red level is 70IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



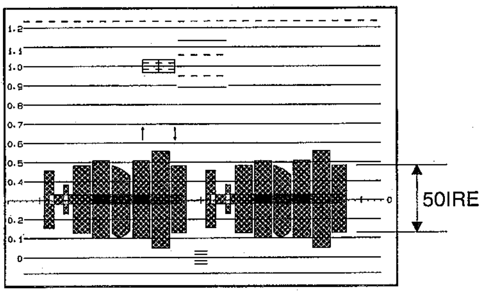
9. R-Y NEGATIVE GAIN)

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "71 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the cyan level is 65IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



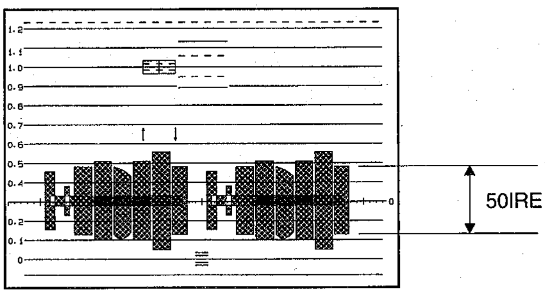
10. B-Y POSITIVE GAIN

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "74XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the blue level is 50IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



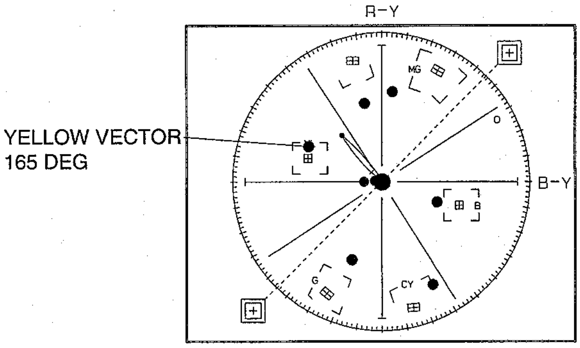
11. B-Y NEGATIVE GAIN

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "75 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the yellow level is 50IRE.
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



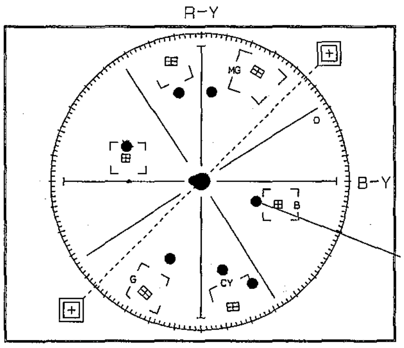
12. R-Y POSITIVE HUE

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "72 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the yellow vectors is 165° .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



13. R-Y NEGATIVE HUE

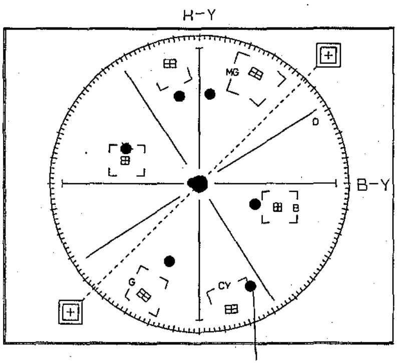
1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "73 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the blue vector is 346° .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.



BLUE VECTOR
346 DEG.

14. B-Y POSITIVE HUE

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "76 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the cyan vector is 284° .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.

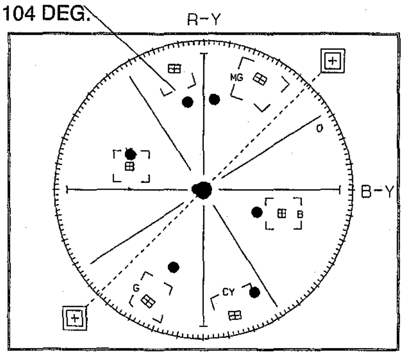


CYAN VECTOR
284 DEG.

15. B-Y NEGATIVE HUE

1) Camera mode & 3100° K gray scale chart
2) Connect a video output terminal to a vectorscope and a TV.
3) Press the FF(Mode Up)/REW(Mode Down) button so that OSD shows "77 XX XX".
4) Ensure that camera picks up image on 3100° K color bar chart precisely and the illumination is 1500-2000 Lux.
5) Press the PLAY (Data Up)/STOP (Data Down) so that the red vector is 104° .
6) Press the START/STOP (Confirm) button to store data.
7) There's is a flicker on screen after finishing the adjustment.

RED VECTOR
104 DEG.



3-3. LCD Adjustment

Notes: For LCD adjustment, use the buttons on the video camera and the remote control.
After each adjustment step is completed, OSD shows "OK".
EEPROM(ICL202) stores confirmed adjustment value of each adjustment step.
After finishing the adjustment, turn power off.

1. How to get into the LCD adjust mode.

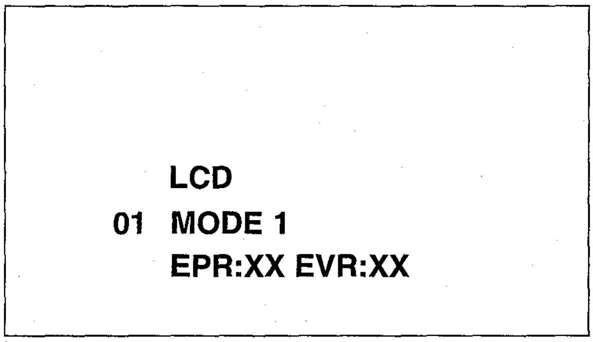
STEP 1

1. Connect the power source (battery/DC cable).
2. Set the "CAMERA/PLAYER" switch to "CAMERA" position.
3. Camera screen and OSD appears.
4. Open housing of the video camera and remove tape.

STEP2

1) Press and hold the "EDIT(+)" button on the video camere and"SELF TIMER" button on the remote control at the same time for more than 5 seconds.
2) Press the "DISPLY" button to make color bar appear.

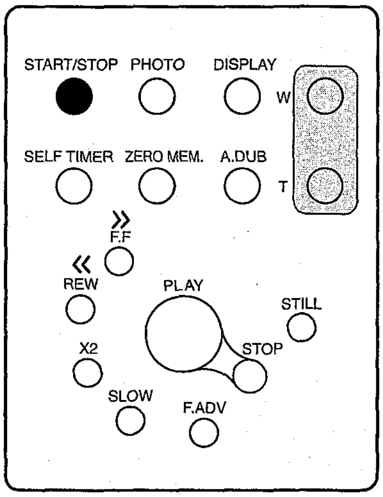
Monitor screen



LCD
01 MODE 1
EPR:XX EVR:XX

When monitor OSD shows as above screen, LCD adjustment mode has been activated successfully.

Note : "XX" indicates variable values.



Remote Control Button Location

2. Functions of each button on the Remote Control

Button	Description
START/STOP (Confirm)	Stores changed value in the adjustment mode.
FF (Mode Up)	Shift adjustment address to left.
REW (Mode Down)	Shift adjustment address to right.
PLAY (Data Up)	Up value.
STOP (Data Down)	Down value.

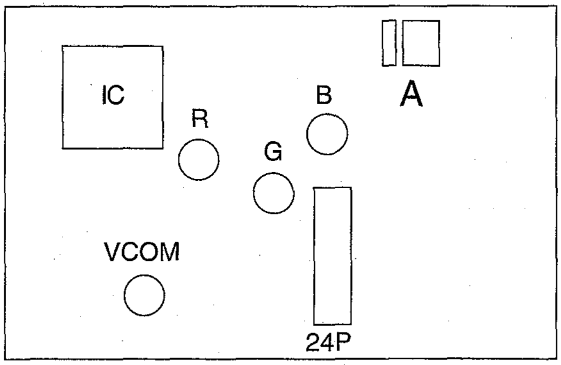
Note: In service adjustment mode, button names are different from those in customer function control mode.

3. Adjustment Mode Table

Address	Mode	PAL	NTSC	Remark
OD	VCO	3F	3F	VCO ---> Adjust
OA	VCOM	3D	3D	COM DC-->Adjust
17	BRIGHT	34	34	COM GA>Adjust
11	R-W/B	67	67	R-W/B -->Adjust
09	G-W/B	4F	4F	G-W/B-->Adjust
14	B-W/B	41	41	B-W/B-->Adjust
18	BRIGHT MIN	02	02	Brght varification of MIN direction for USER
19	BRIGHT MAX	02	02	Brght varification of MIN direction for USER
OC	COLOR MIN	02	02	Brght varification of MIN direction for USER
OC	COLOR MAX	02	02	Brght varification of MIN direction for USER
01	MODEL	78	F8	fix initial value
02	H POS	B9	B9	fix initial value
03	V POS	18	OA	fix initial value
04	MODE2	OF	OF	fix initial value
06	HD WID	B7	B7	fix initial value
07	VD POS	80	80	fix initial value
08	HD POS	B9	9E	fix initial value
OB	OSD	80	80	fix initial value
OE	SHARP	00	00	fix initial value
OF	TINT	64	64	fix initial value
10	GAMMA	B8	B8	fix initial value
12	LIMIT	70	70	fix initial value
13	CONT	80	80	fix initial value
15	R BRT	8F	8F	fix initial value
16	B BRT	6A	6A	fix initial value

*The Adjustment sequence is VCO-->VCOM-->BRIGHT-->R-W/B-->G-W/B-->B-W/B

4. Location of Adjustment TP

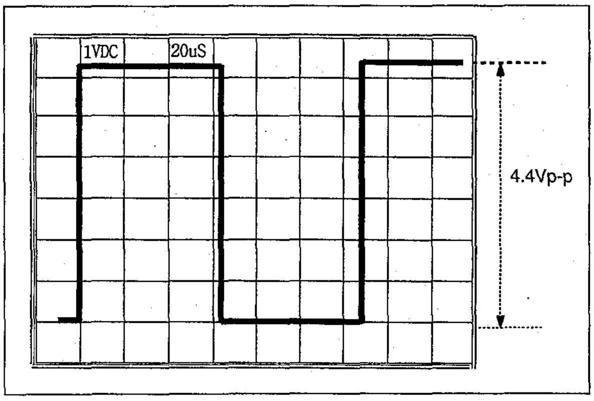


Note: In LCD adjustment mode, when shorting "A" of PCB to GND and pressing the START/STOP button, EEPROM stores confirmed adjustment value.

1) VCO
   a) TP-HD & EVR
   b) Connect an Freguency counter to TP-HD
   c) Adjust the EVR so that Freguency is 15.734khz (NTSC),15.625khz(PAL)

2) VCOM
   a) TP-VCOM & EVR
   b) Connect an voltmeter to TP-VCOM.
   c) Adjust the EVR so that DC voltage is DC 1.1±0.05 V.

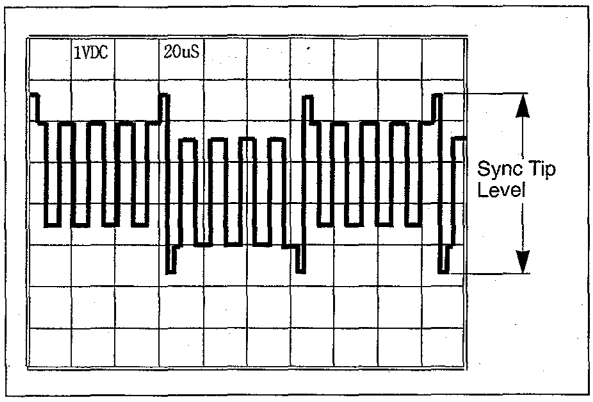
3) Brightness
   a) TP-VCOM & EVR
   b) Connect an oscilloscope probe to TP-VCOM.
   c) Adjust the EVR so that bright level is 4.4± 0.1 Vp-p.



4) R-W/B
   a) TP-R & EVR
   b) Connect an oscilloscope probe to TP-R.
   c) Adjust the EVR so that Sync tip level is 4.2 Vp-p.

5) G-W/B
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-G.
   c) Adjust the EVR so that Sync tip level is 4.2 Vp-p.

6) B-W/B
   a) TP-B & EVR
   b) Connect an oscilloscope probe to TP-B.
   c) Adjust the EVR so that Sync tip level is 4.4 Vp-p.



3-5. EVF Adjustment

3-5-1. EVF adjustment Preparation

STEP 1

1) Connect the power source (battery/DC cable).
2) Set the "POWER(CAMERA/PLAYER)" switch to "CAMERA" position.

STEP 2

Press and hold the "EDIT(+)" button and "SELFTIMER" button on the video camera at the same time for more than 5 seconds.

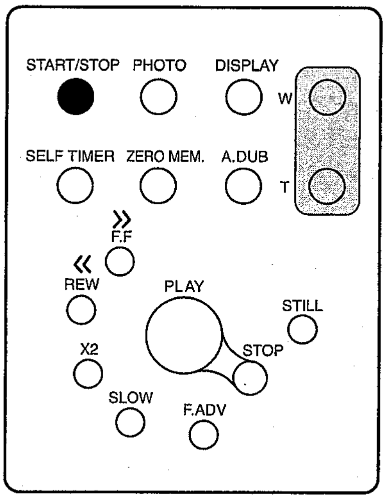
STEP 3

Press the "DISPLY" button to make color bar appear.

LCD
01 MODE 1
EPR:XX EVR:XX

Monitor screen

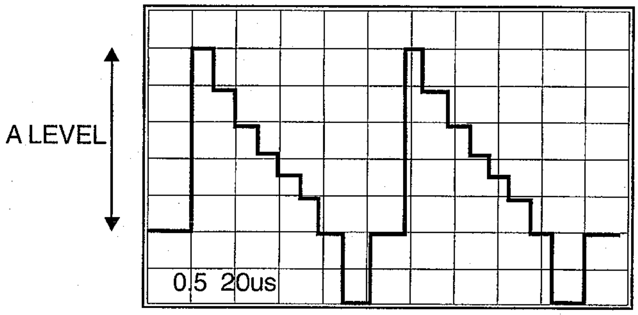
Note : "XX" indicates variable values.

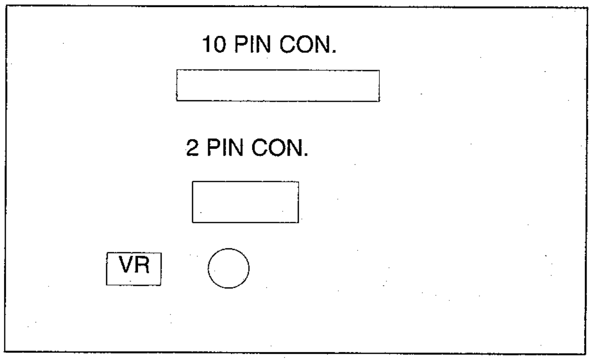

START/STOP
PHOTO
DISPLAY
W
SELF TIMER
ZERO MEM.
A.DUB
T
F.F
REW
PLAY
STILL
X2
STOP
SLOW
F.ADV

Remote Control Button Location

3-5-2. EVF adjustment

1) VIDEO GAIN
   a) Connect an oscilloscope probe to TP-V.
   b) Adjust the VRE02 so that A level is 2.5 Vp-p




10 PIN CON.
2 PIN CON.
VR

Location of Test Point

4. Exploded View and Parts List

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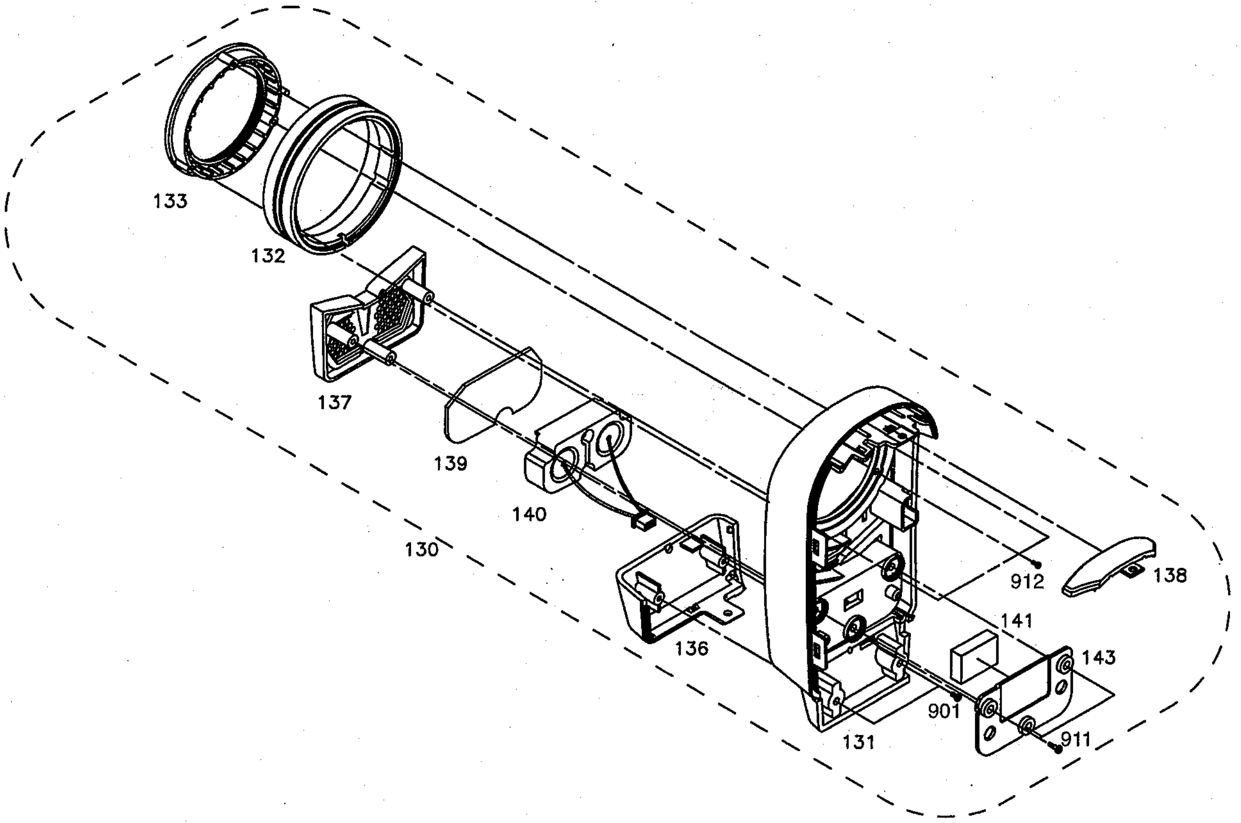
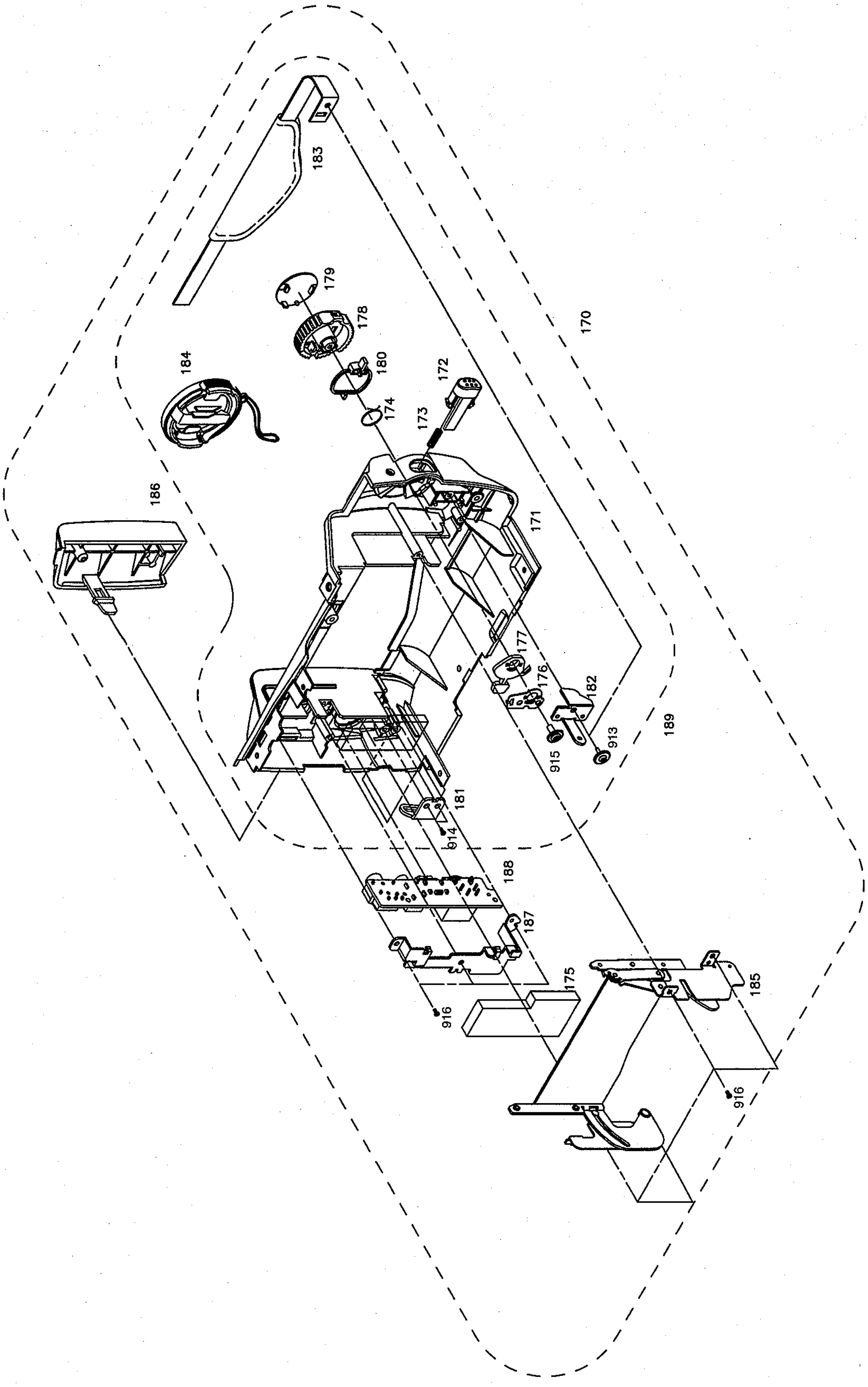
4-10 MECHANICAL PARTS(2) ------------------------ 4-20

4-1 ASSY FRONT


133
132
137
139
140
130
136
131
912
138
141
143
901
911

Loc. No	Part No	Description and Specification	Remark
130	AD97-03872A	ASSY-FRONT	
131	AD64-00580A	CASE-FRONT 70;ABS94HB HG0760 G6238	SNA
132	AD67-00130A	LENS-HOOD(AL);A6063A-T5(AL10)	
133	AD61-00391C	HOLDER-LENS-HOOD(22X);ABS 94HB D/GRAY	
136	AD63-00234A	COVER-FRONT 70;ABS94HB HF06601 G3532	
137	AD63-00265A	COVER-MIC;ABS94HB HF06601 G3532	
138	AD64-00568A	BADGE-22X;ABS 94 HB NAT	
139	AD63-00147A	SHEET-MIC;HIMERON BLK T0.2	SNA
140	AD97-03434A	ASSY-MIC	
141	AD69-00250A	PAD-SPONGE MIC 70;SPONGE T3.0	
143	AD97-03693A	ASSY-BRKT MIC	
911	6009-001277	SCREW-SPACE TAP(T1.7X7.6)	
912	6003-001161	SCREW-TAPPING(T1.4X5)	
901	6001-001291	SCREW-TAPPING(T1.7X4)	

4-2 ASSY RIGHT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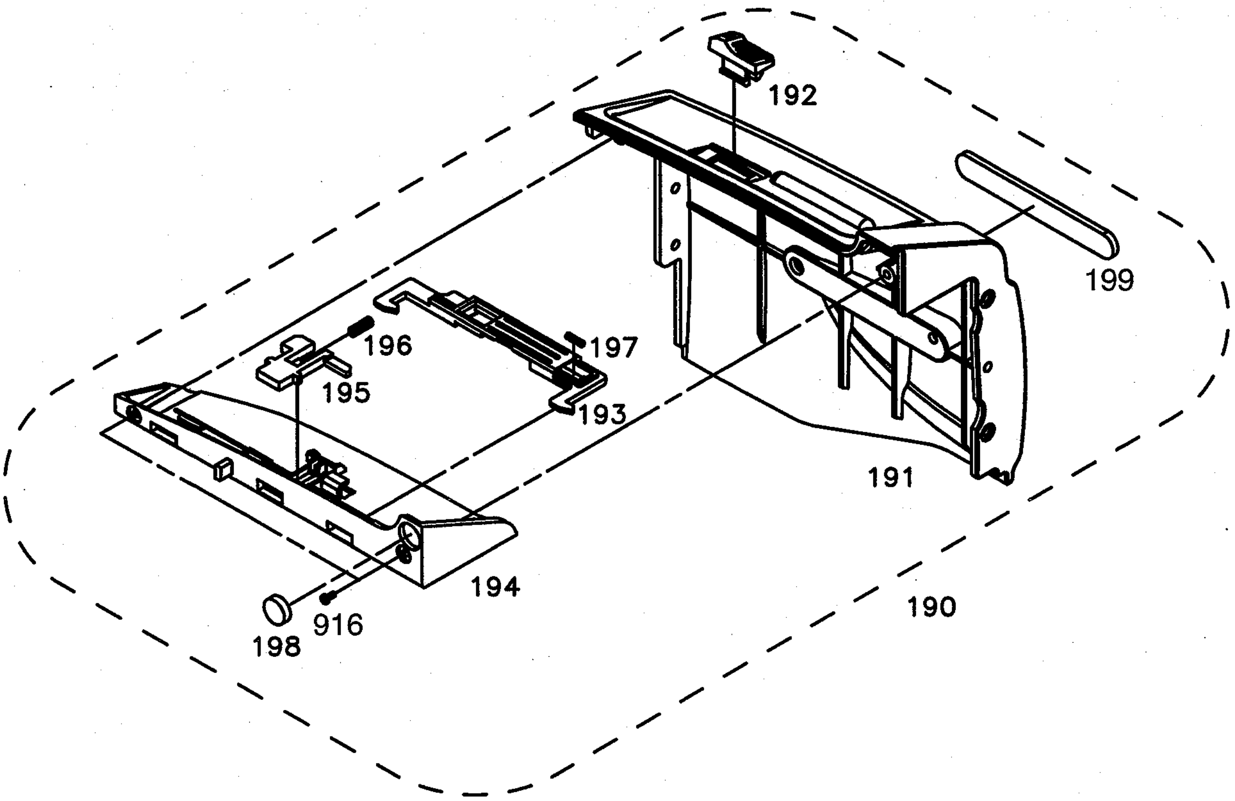
Loc. No	New Part No	Description and Specification	Remark
170	AD97-03373A	ASSY-RIGHT	SNA(VP-D70)
	AD97-03373B		SNA(SCD67/70)
171	AD64-00575A	CASE-RIGHT;ABS94HB HF0660I G3532	VP-D70
	AD64-00575C		SCD67/70
172	AD64-00576A	BUTTON-REC/STOP;ABS94HB RED	
173	AD61-00220A	SPRING-SNAP SHOT;SUS 304 WPB	
174	AD61-00760A	SPRING-KNOB-POWER;SUS 304 WPB	
175	AD69-00268A	PAD-SPONGE RIGHT;EPDM T5.0	
176	AD61-00844A	PLATE-SPRING POWER;SUS 301 1/2H T0.3	
177	AD61-00701A	HOLDER-POWER;POM BLK	
178	AD64-00577A	KNOB-POWER;ABS94HB HF06601 G3532	
179	AD61-00707A	CAP-POWER;ABS94HB HF06601 G3532	
180	AD64-00578A	LOCKER-POWER;POM GREEN	
181	AD61-00682A	BRKT-GRIP FRONT;SUS304 T0.8	
182	AD61-00683A	BRKT-GRIP REAR;SUS304 T0.8	
183	AD97-03371A	ASSY GRIP-BELT;LEATHER, BLK	
184	AD59-00069A	ASSY-CAP HOOD	
185	AD97-03370A	ASSY-LINK	
186	AD63-00233A	COVER-JACK;TPE	
187	AD63-00223A	BRKT-JACK	
188	AD97-03393A	ASSY FPC-JACK	
913	AD60-00003A	SCREW-TAPPING(T2X6)	
914	AC60-10061A	SCREW-TAPPING(T2X5)	
915	AD60-10509A	SCREW-TAP PWH	
916	AC60-12128A	SCREW-TAPPING(T1.7X4)	

4-3 COVER HOUSING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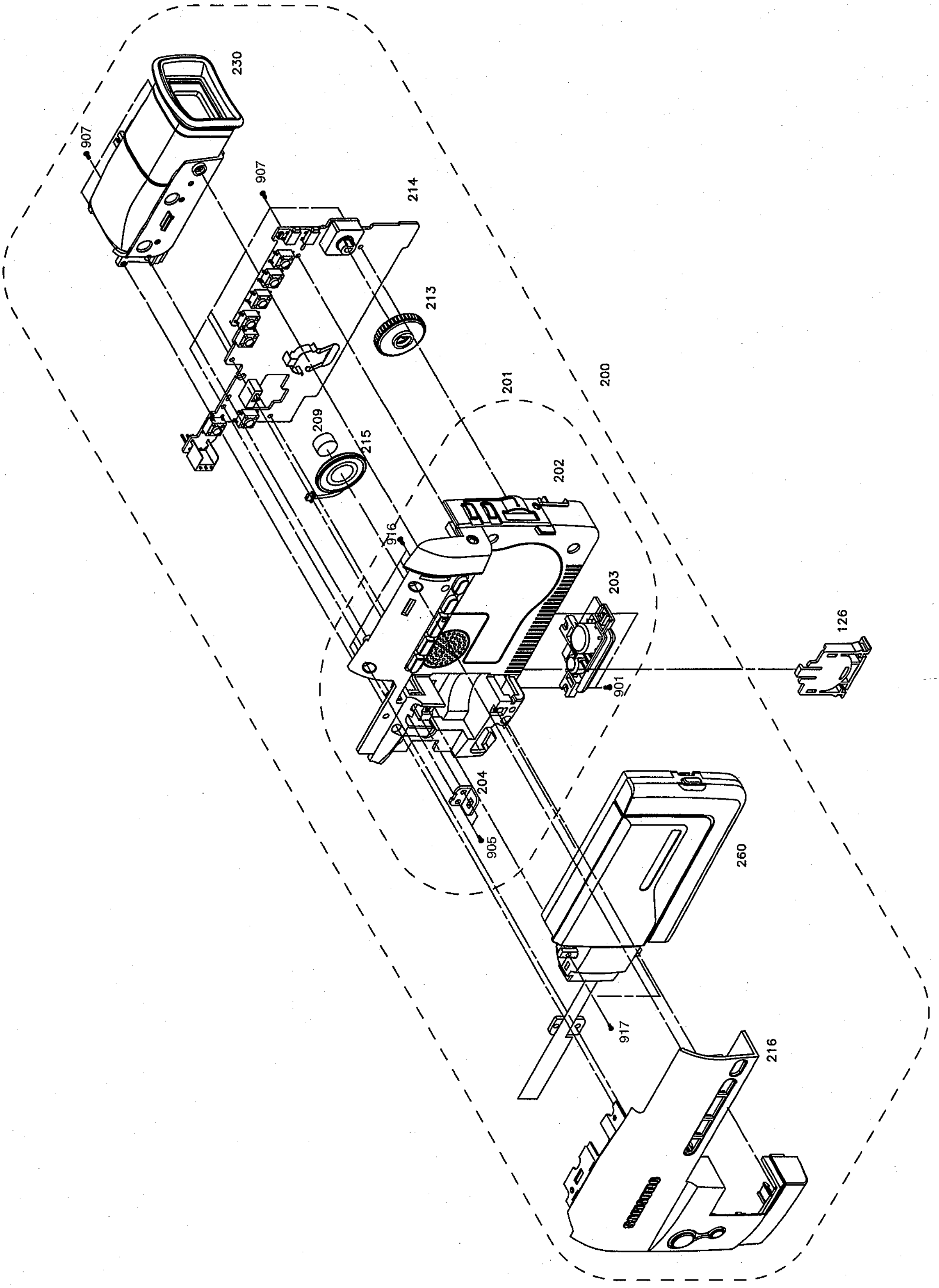
Loc. No	Part No	Description and Specification	Remark
190	AD97-03372A	ASSY-COVER HOUSING	SNA
191	AD63-00225A	COVER-HOUSING;ABS94HB HF06601 G3532	
192	AD64-00553A	KNOB-TAPE/EJECT;ABS94HB HF06601 G3532	
193	AD64-00554A	LOCK-TAPE/EJECT;POM BLK	
194	AD61-00690A	HOLDER-TAPE/EJECT;ABS94HB HF06601 G3532	
195	AD66-00118A	SLIDER-TAPE/EJECT;ABS94HB HF06601 G3532	
199	AD63-00229A	COVER-DUMY HOUSING;PET,T1.5,BLK	
196	AD61-00691A	SPRING-HOUSING;WPB,BLK	
197	AD61-00693A	SPRING-KNOB DSC;SUS 304 WPB	
198	AD69-00045A	PAD-LCD;EVA,BLK	
199	AD63-00229A	COVER-DUMMY HOUSING	
916	AC60-12128A	SCREW-TAP(1.7X4,BLK);BLK	

4-5 CASE LEFT ASSY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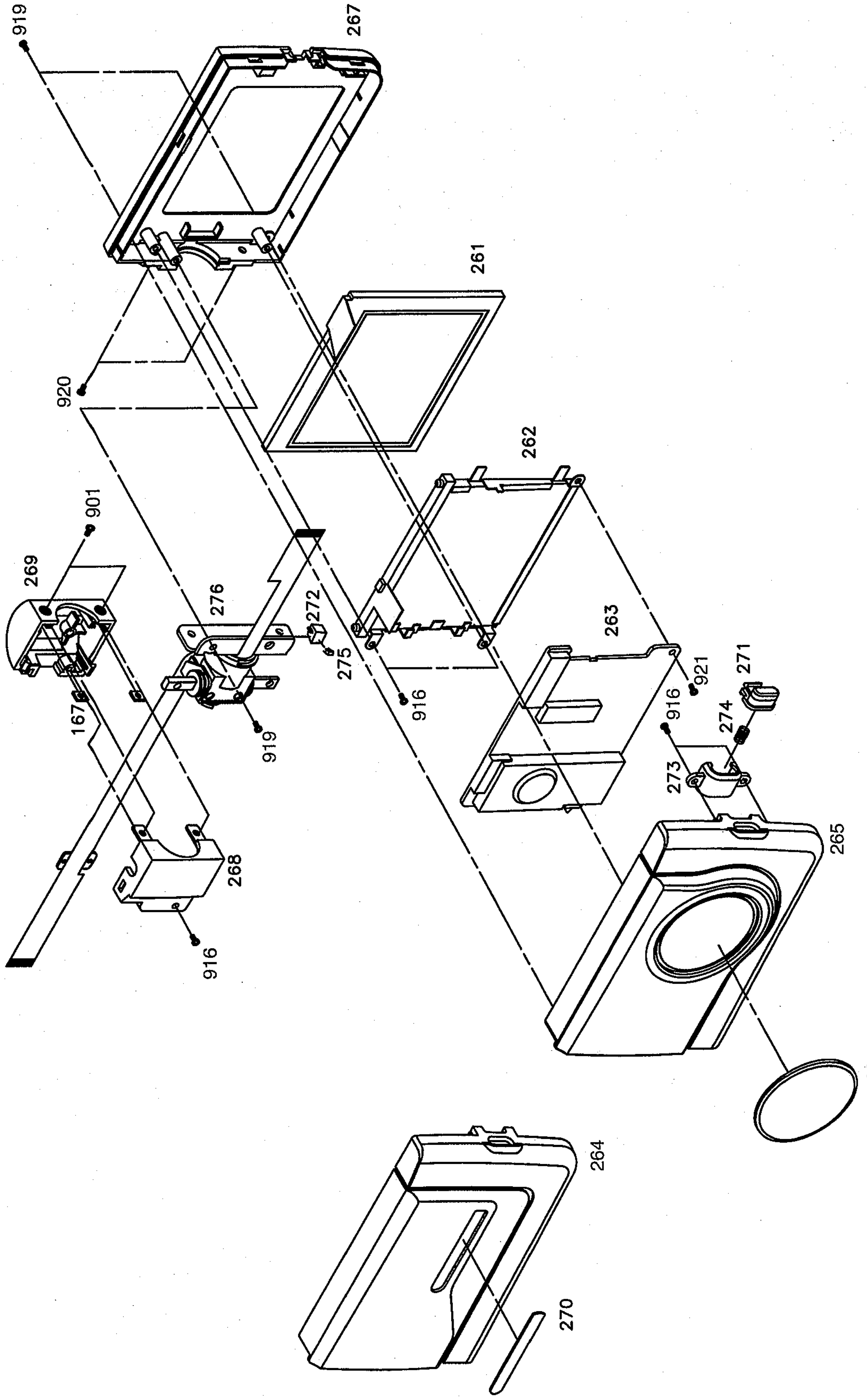
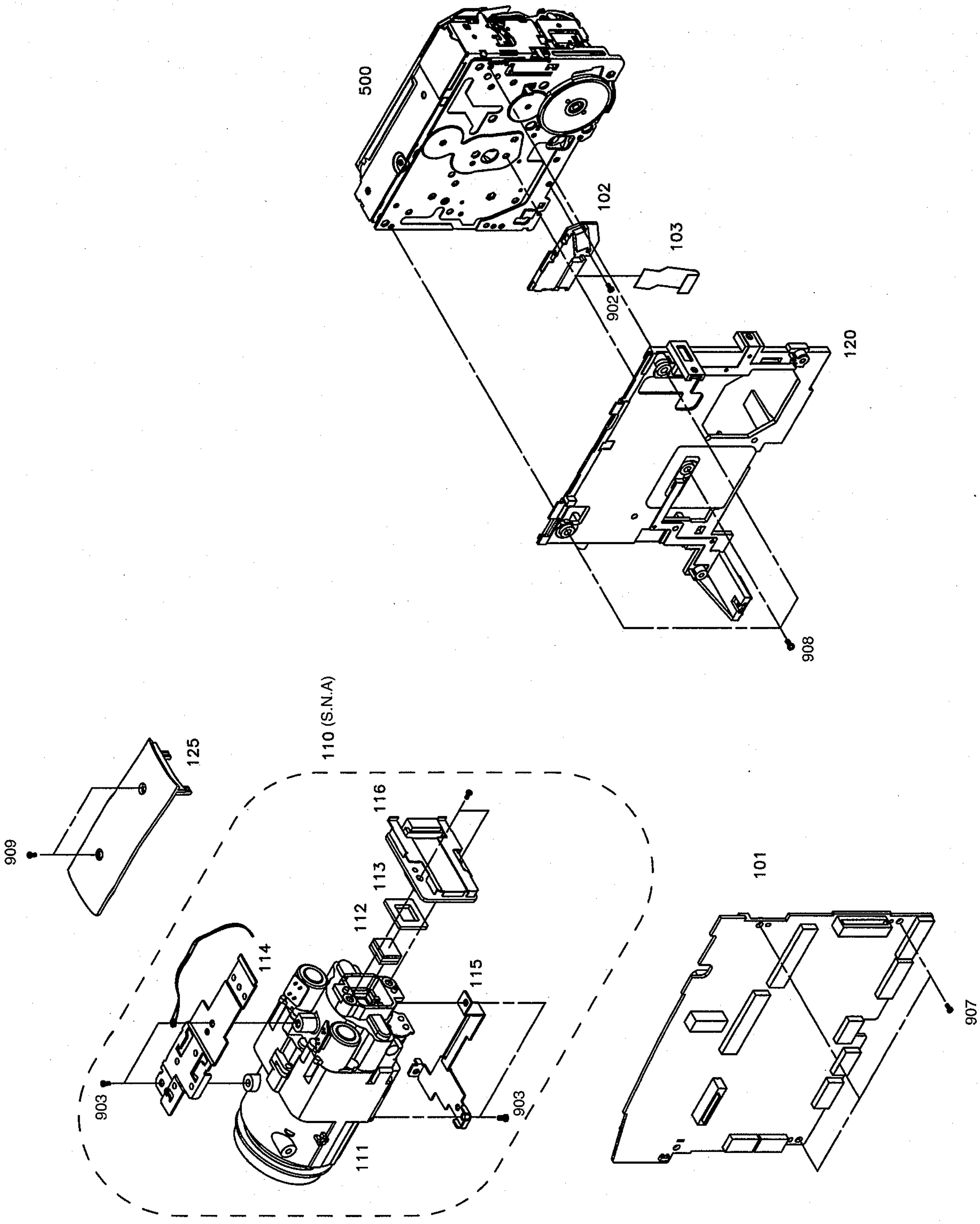
Loc. No	Part No	Description and Specification	Reamrk
200	AD97-03696A	ASSY-LEFT	SNA(SCD67)
	AD97-03438A		SNA(SCD70)
	AD97-03378A		SNA(VPD70)
201	AD97-03462A	UNIT-CASE LEFT	
202	AD64-00563A	CASE-LEFT;ABS94HB HF06601 G3532	
203	AD97-03402A	ASSY-TRIPOD;PC G4487B + »≤µø(µµ±›)	
204	AD61-00581A	BRKT-HINGE;SUS301 T1.0	
209	AD69-00236A	PAD-SPEAKER;EVA-SPONGE	
212	AD73-00060A	RUBBER-SPEAKER;øÏ∑π≈∫,BLK,T1.0	
213	AD64-00240C	KNOB-DIAL MENU;ABS94HB HF06601 G3532	
214	AD97-03439A	ASSY-FUNCTION B'D	
215	AD97-02047A	ASSY-SPEAKER;SC-L315C, 2816S	
216	AD97-03379A	ASSY-COVER LEFT	
230	AD97-03256A	ASSY-EVF	SNA(SCD67/70)
	AD97-03258A		SNA(VPD70)
260	AD97-03430B	ASSY-LCD	SNA(SCD67)
	AD97-03430C		SNA(SCD70)
	AD97-03430A		SNA(VPD70)
901	6001-001291	SCREW-MACHINE;M1.7X4 BLK	
905	AC60-10054A	SCREW-TAP TITE;TAP2X6 BLK	
907	6002-001085	SCREW-TAPPING(1.7X5);TAP1.7X4,BLK	
916	AC60-12128A	SCREW-TAPPING(1.7X4);TAP1.7X4,BLK	
917	6003-000233	SCREW-TAPPING(2X6);TAP2X6,CH-HEAD,BLK	
126	AD63-00065C	COVER-LI BATT	

4-6 LCD ASSY



Loc. No	Part No	Description and Specification	Remark
167	AD61-12033A	BRKT-NUT;SECC T0.8	
261	AD07-00019A	LCD	
262	AD97-02233A	ASSY-BACK LIGHT	
263	AD97-03250A	ASSY-LCD BOARD	
264	AD64-00583A	CASE-LCD TOP;ABS 94 VO	
265	AD64-00551B		
266	AD64-00579A	BADGE-LCD;ABS 94HB, π/μμ±›, DSC	
	AD64-00634A		
267	AD64-00552A	CASE-LCD BOTTOM;ABS 94 VO	VPD70
	AD64-00552B		SCD67/70
268	AD63-00221A	COVER-HINGE TOP;ABS 94HB	
269	AD63-00222A	COVER-HINGE BOTTOM;ABS 94HB	
270	AD64-00609A	INLAY-LCD DIGITAL;PC CLEAR, EPOXY	VPD70
	AD64-00609C		SCD67
	AD64-00609D		SCD70
271	AD64-00445A	BUTTON-LCD LOCK;PC/ABS	
272	AD64-00446A	BUTTON-LCD REVERSE;PC/ABS 94HB	
273	AD61-00585A	GUIDE-LCD LOCK;POM BLK	
274	AD61-00344A	SPRING-LCD LOCK;SWPB	
275	AD61-00627A	SPRING-LCD REVERSE;SUS304 WPB	
276	AD97-03380A	ASSY-HINGE	
901	6001-001291	SCREW-TAPPING;M1.7X4 FEB	
916	AC60-12128A	SCREW-TAPPING;TAP1.7X4 FEB	
919	AC60-10043A	SCREW-TAPPING;TAP1.7X6 FZB	
920	AC60-10019A	SCREW-MACHINE;M2X4 FZB	
921	AC60-10028A	SCREW-MACHINE;M1.7X3 FZB	

4-6 CAMERA ASSY & MAIN PCB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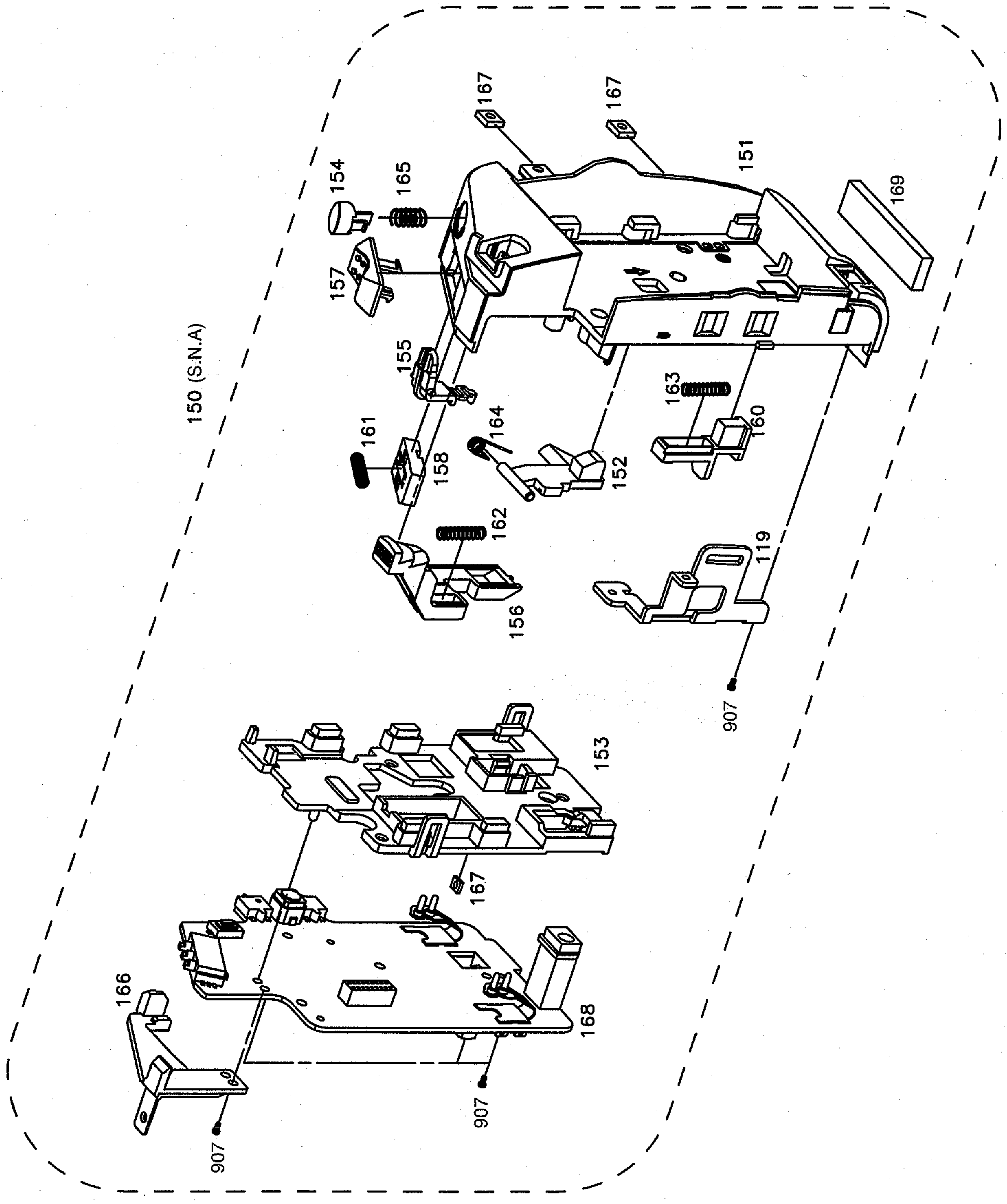
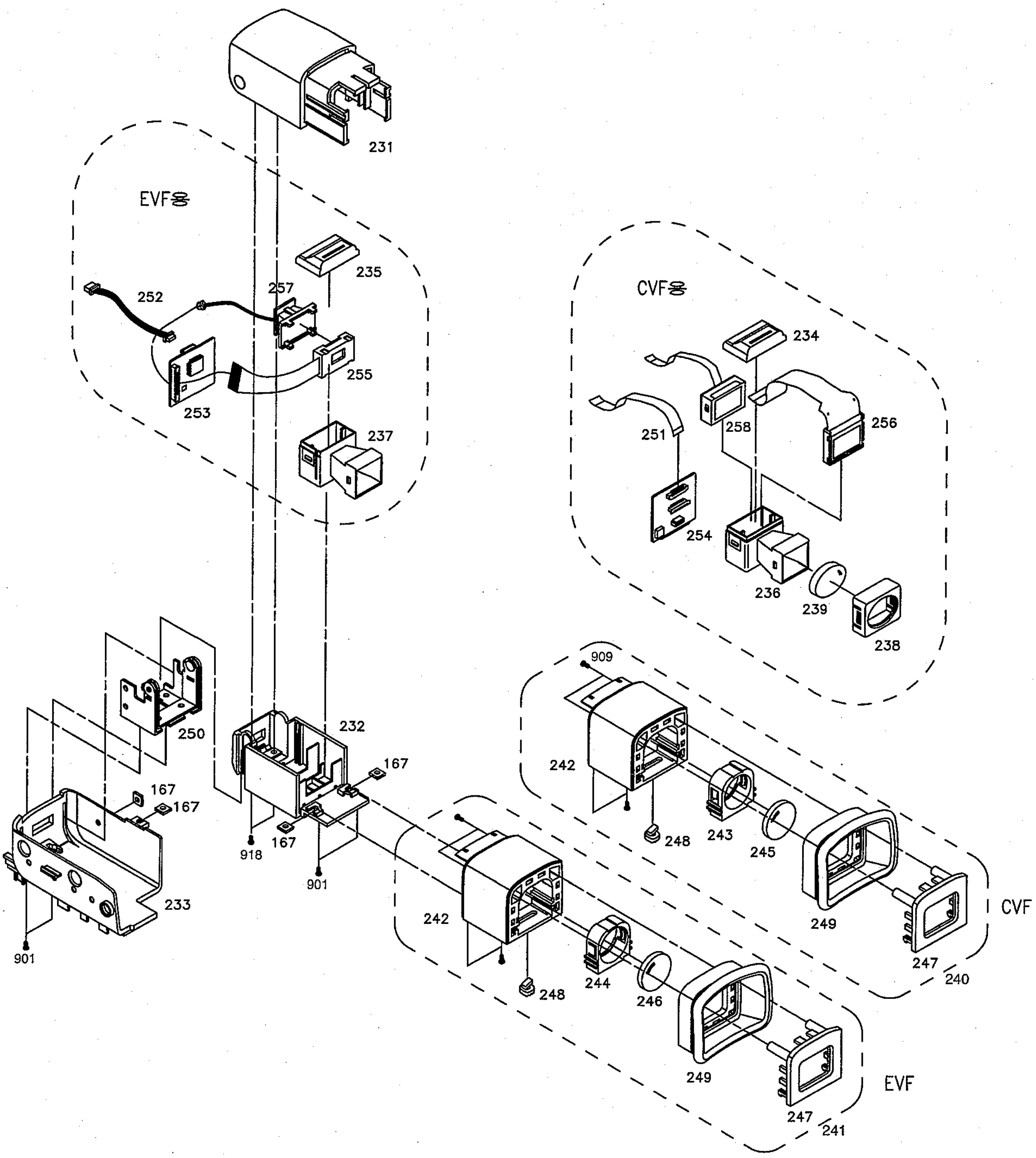
Loc. No	Part No	Description and Specification	Remark
101	AD97-03679A	ASSY-MAIN BOARD	SCD67
	AD97-03443A		SCD70
	AD97-03232A		VPD70
102	AD97-03322A	ASSY-PREAMP	
103			
110	AD97-03686A	ASSY-CAMERA	SNA(SCD67)
	AD97-03235A		SNA(VPD70)
	AD97-033442A		SNA(SCD70)
111	AD97-01684A	ASSY-ZOOM LENS	
112			
113	AD73-00003A	RUBBER-CCD;NBR	
114	AD61-00675A	BRKT-LENS TOP;SUS304 T0.5	
115	AD61-00676A	BRET-LENS-BOT;SUS304 T0.5	
116	AD97-03681A	ASSY-CCD BOARD	SCD67
	AD97-03323A		VPD70
	AD97-03449A		SCD70
120	AD97-03412A	ASSY-FRAME CHASSIS	
125	AD64-00564A	CASE-TOP	
500	AD97-03360A	ASSY-DECK	
902	AC60-12112A	SCREW-MACHINE(M1.4X2)	
903	AC60-10055A	SCREW-TAPPING(T2X4)	
907	6002-001085	SCREW TAP1.7 x 5	
908	AC60-10048A	SPACE M1.4 x 5	
909	6001-001289	SCREW-MACHINE(M1.7X5)	

4-7 REAR ASSY


150 (S.N.A)

Loc. No	Part No	Description and Specification	Remark
150	AD97-03368A	ASSY-CASE REAR SNA	
151	AD64-00570A	CASE-REAR;ABS94HB HF0660I G3532	
152	AD66-00120A	SLIDER-BATTERY EJECT;POM NTR	
153	AD63-00232A	COVER-HOLE;ABS94HB HF0660I G3532	
154	AD64-00571A	BUTTON-SNAP SHOT;ABS94HB HF0660I G3532	
155	AD61-00698A	HOLDER-SNAP SHOT;POM NTR	
156	AD64-00572A	KNOB-BATTERY EJECT;ABS94HB HF0660I G3532	
157	AD64-00573A	KNOB-ZOOM;ABS94HB HF0660I G3532	
158	AD61-00699A	HOLDER-ZOOM;POM NTR	
159	AD61-00680A	BRACKET-SHOULDER;SUS 304 T1.0	
160	AD64-00574A	KNOB-DITECTOR;ABS94HB HF0660I G3532	
161	AD61-00776A	SPRING-ZOOM;SUS 304 WPB	
162	AD61-00681A	SPRING-BATTERY RELEASE;SUS 304 WPB	
163	AD61-00218A	SPRING-BATTERY EJECT;SUS 304 WPB	
164	AD61-00219A	SPRING-BATTERY LOCK;SUS 304 WPB	
165	AD61-00220A	SPRING-SNAP SHOT;SUS 304 WPB	
166	AD61-00700A	STOPPER-ZOOM;ABS94HB HF0660I G3532	
167	AD61-12033A	BRACKET-NUT;SECC T0.8	
168	AD97-03234A	ASSY-REAR B'D	
169	AD69-00235A	PAD-LEG;PORON(HH-48),D/GRAY	
907	6002-001085	SCREW-TAPPING(TAP1.7X5.BLK)	

4-8 EVF/CVF ASSY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EVF부
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CVF부
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CVF
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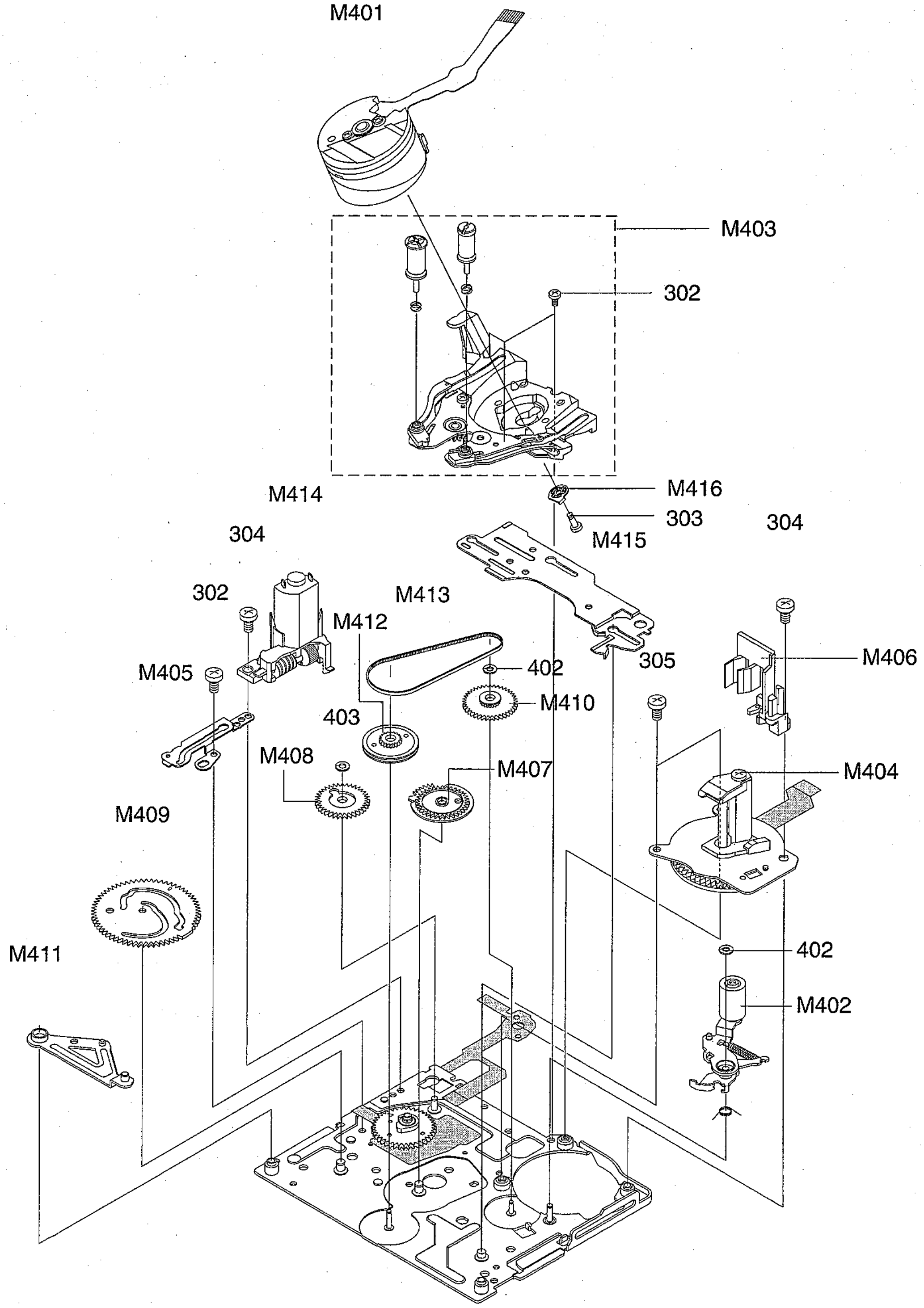
EVF

Loc. No	Part No	Description and Specification	Remark
167	AC61-12033A	BRKT-NUT	
231	AD64-00547A	CASE-EVF TOP;ABS94V0 VE0812 G6238	
232	AD64-00548A	CASE-EVF BOTTOM;ABS94V0 VE0812 G6238	
233	AD61-00663A	GUIDE-LINK;PC L1225Y TEIJIN(≈ı∏Ì+¬¯ªˆ)	
234	AD61-00319A	HOLDER-CVF TOP;ABS 94VO BLK(0.44øÎ)	
235	AD61-00430A	HOLDER-EVF TOP;ABS 94VO BLK(0.24øÎ)	
236	AD61-00228A	HOLDER-CVF BOTTOM;PC VO BLK/GF(20%,0.44øÎ)	
237	AD61-00408A	HOLDER-CVF BOTTOM;PC VO BLK/GF(20%,0.24øÎ)	
238	AD61-00304A	HOLDER-COVER LENS;ABS 94HB BLK(0.44øÎ)	
239	AD67-00026A	LENS EVF M G2;OPT PLASTIC PMMA(0.44øÎ)	
240	AD97-03254A	ASSY-CVF LENS	
241	AD97-03255A	ASSY-EVF LENS	
242	AD61-00664A	GUIDE-LENS;ABS94HB HF0660I G3532	SNA
243	AD61-00665A	HOLDER-CVF LENS;ABS 94HB BLK	SNA
244	AD61-00666A	HOLDER-EVF LENS;ABS 94HB BLK	SNA
245	AD67-00027A	LENS EVF M G3;OPT PLASTIC PMMA	SNA
246	AD67-00025A	LENS EVF M G1;OPT PLASTIC PMMA	SNA
247	AD61-00667A	GUIDE-CAP;ABS 94HB BLK	SNA
248	AD64-00549A	KNOB-EVF;POM 94HB BLK	SNA
249	AD73-00051A	RUBBER-EYE CUP;SILICON D/GRAY	
250	AD97-03253A	ASSY-LINK EVF	
251	AD41-00215A	FPC-CVF	
252	AD39-00052A	HANESS-EVF	
253	AD97-03695A	ASSY-EVF BOARD;NTSC/BW	SCD67/70
	AD97-03251A	ASSY-EVF BOARD;PAL/BW	VPD70
254	AD97-03252A	ASSY-CVF BOARD;NTSC/COL	
255	AD07-00009A	LCD;0.25inch B&W	
256	AD07-00008A	LCD;0.44inch COLOR	
257	AD97-01102A	B/LIGHT;0.25inch B&W	
258	AD97-03478A	B/LIGHT;0.44inch COLOR	
901	6001-001291	SCREW-MACHINE;M1.7X4,FZB	
918	AC60-22002A	SCREW-TAP;M1.7X4,FZB	
919	AC60-10043A	SCREW-TAPPING;M1.7X6 FZB	

4-9 MECHANICAL PARTS (1) (MAIN CHASSIS)


M401
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M415
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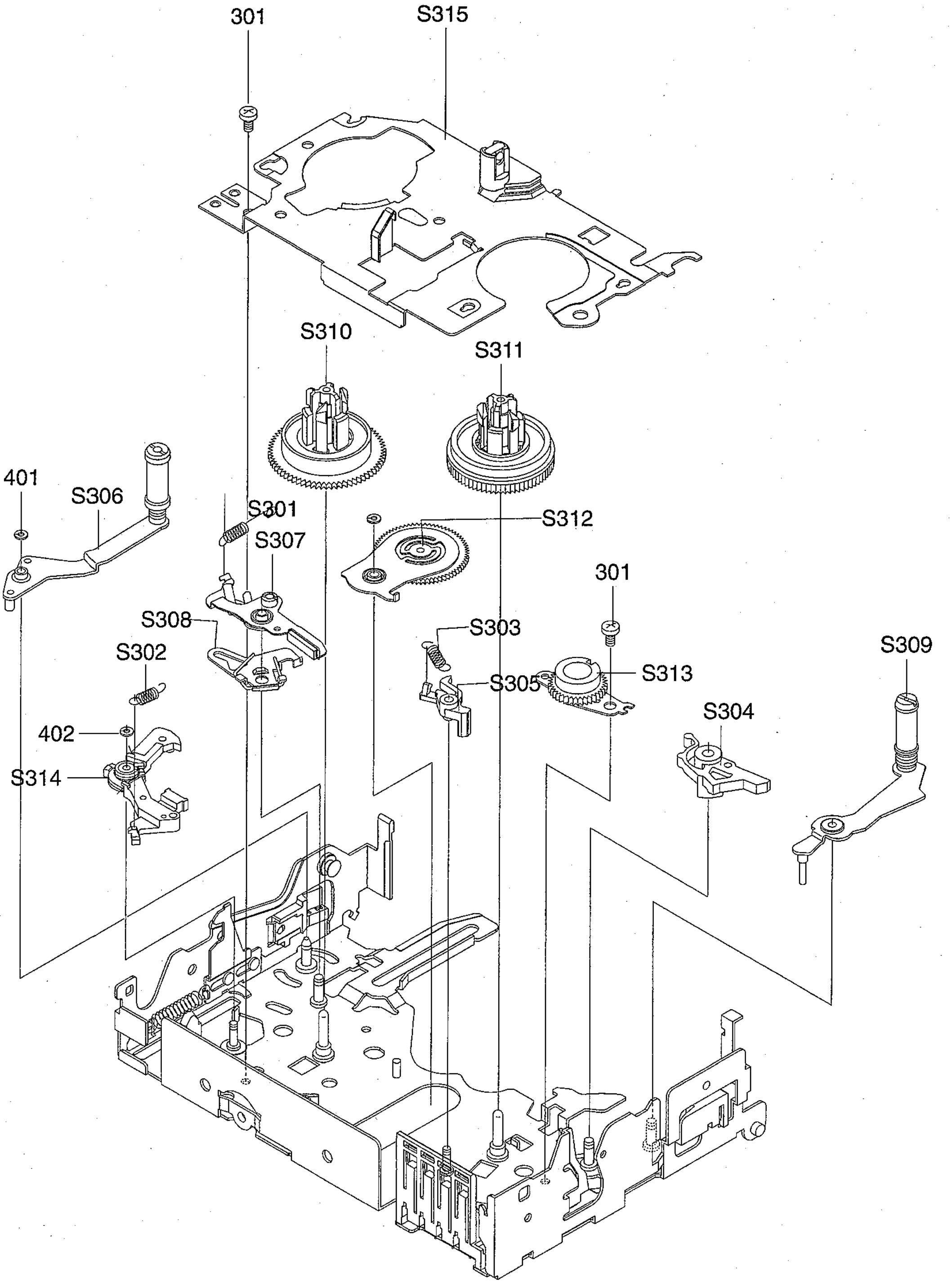
M402

Loc. No	Part No	Description and Specification	Remark
302	6001-001452	SCREW-MACHINE;BH,+,M1.4,L2.5,BLK,SWRCH18	
303	6001-001451	SCREW-MACHINE;TH,+,M1.4,L4.12,ZPC(YEL),S	
304	6001-001331	SCREW-MACHINE;BH,+,M1.4,L3.0,BLK(LOCK),S	
305	AC60-12113A	SCREW;-,BLK,L2.2,S45C-HC,BH,+,-,M1.4	
402	6031-001417	WASHER-PLAIN;POLYSLIDE,-,ID0.8,D3.0,T0.2	
403	6031-001419	WASHER-PLAIN;LUMINA,CUT,ID1.1,OD2.8,T0.2	
M401	AD97-02552A	ASSY-DRUM REV02;AHS+R/T+MOT+PBT,DD-3,ASS	
M402	AD97-02928A	ASSY-ARM-PINCH-FULL;-,DD-3,-	
M403	AD97-02931A	ASSY-DRUM BASE RAIL;-,DD-3,-	
M404	AD31-00028A	MOTOR-CAPSTAN;-,DD-3,-,-,-,-,-,-,-,-,-,-	
M405	AD61-00490A	GUIDE-TENSION CAM;DD-3,SUS430 CP,T0.3,-,	
M406	AD61-00496A	HOLDER-FPC SUB;DD-3,DURACON,-,-,-,-	
M407	AD66-00061A	GEAR-CONNECT;DD-3,POM,0.4/0.5,8.5/23,-,-	
M408	AD66-00064A	GEAR-WHEEL;DD-3,POM,0.3/05,30/8,-,-,PCD	
M409	AD66-00065A	GEAR CAM-MAIN;DD-3,SECC,0.5,50,-,-,PCD 2	
M410	AD66-00069A	GEAR-CAPSTAN;DD-3,DYAMID,0.4,28,-,-,PCD	
M411	AD66-00085A	LEVER-CAM;DD-3,SUS430 CP,T0.5,-,-,-,-,-	
M412	AD66-00098A	GEAR-PULLEY ASSY;DD-3,POM+MAGNET,-,-,-,-	
M413	AD66-62001A	BELT-TIMING;DD-C2R,POLYURETHAN,-,L84,-,-	
M414	AD97-02935A	ASSY-LOADING-MOTOR;-,DD-3,-	
M415	AD97-02987A	ASSY-SLIDE-MAIN;-,DD-3,-	
M416	AD61-00558A	PLATE-S/P BASE;DD-3,SUS632 CSP ,T0.15,-,	

4-10 MECHANICAL PARTS(2) (SUB CHASSIS)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S315
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402
S314

Loc. No	Part No	Description and Specification	Remark
301	6001-001513	SCREW;BH,+,M1.4,D3.0 , WH	
401	6031-001430	WASHER-PLAIN;POLYSLIDER,-,ID0.8,D2.5,T0.	
402	6031-001417	WASHER-PLAIN;POLYSLIDE,-,ID0.8,D3.0,T0.2	
S301	AD61-00509A	SPRING-TENSION;DD-3,SUS304-WPB,•'0.12,-,	
S302	AD61-00513A	SPRING-BRAKE S;DD-3,SUS304-WPB,•'0.18,-,	
S303	AD61-00659A	SPRING-MAIN BRAKE T;DD-3,SWP-B,•'0.16,-,	
S304	AD66-00090A	LEVER-EJECT;DD-3,POM,-,-,-,-,-,-	
S305	AD66-00093A	BRAKE-MAIN T;DD-33,NYLON,-,-,-,-	
S306	AD66-00108A	ARM-TENSION-ASSY;DD-3,SUS304 CP+ETC,-,-,	
S307	AD97-02932A	ASSY-BRAKE-TENSION;-,DD-3,-	
S308	AD97-02933A	ASSY-RELEASE-T;-,DD-3,-	
S309	AD97-02934A	ASSY-REVIEW-ARM;-,DD-3,-	
S310	AD97-02938A	ASSY-REEL-DISK-S;-,DD-3,-	
S311	AD97-02939A	ASSY-REEL-DISK-T;-,DD-3,-	
S312	AD97-02940A	ASSY-IDLER;-,DD-3,-	
S313	AD97-02941A	ASSY-BRAKE-PULLEY;-,DD-3,-	
S314	AD97-02942A	ASSY-BRAKE-S;-,DD-3,-	
S315	AD97-02943A	ASSY-COVEER-REEL;-,DD-3,-	

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5. Electrical Parts List

Loc.No	Part No	Desc & Spec	Remark
		ASSY-MAIN BOARD	
B101	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B102	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B103	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B106	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B108	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B109	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B113	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
B340	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B341	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B342	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B343	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B344	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B345	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B346	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
B347	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B348	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B349	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B350	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B351	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B515	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B516	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B517	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
B701	3301-001362	CORE-FERRITE BEAD;AB,1kohm,1x0.5x0.5mm,5	
BC01	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
BC02	2901-001022	FILTER-EMI SMD;10V,200mA,-,-,1.6x0.8x0.8	
C101	2203-000278	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
C102	2203-000278	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
C103	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C104	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C105	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C106	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C107	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C108	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C109	2203-002443	C-CERAMIC,CHIP;0.33nF,10%,50V,X7R,TP,100	
C110	2203-002487	C-CERAMIC,CHIP;4.7nF,10%,25V,X7R,TP,1005	
C114	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C115	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C116	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C117	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C118	2203-002885	C-CERAMIC,CHIP;33nF,+80-20%,50V,Y5V,TP,1	
C119	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C120	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C124	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C125	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C126	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C141	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C142	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C143	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C144	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C145	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C303	2203-002338	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,100	
C304	2203-000812	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,100	
C305	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C307	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C308	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C309	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C312	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
C313	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C314	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C315	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C316	2404-000293	C-TA,CHIP;220UF,10%,6.3V,GP,TP,7343H	
C317	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
C318	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
C319	2404-000293	C-TA,CHIP;220UF,10%,6.3V,GP,TP,7343H	
C320	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C321	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C322	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
C323	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C324	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C325	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C326	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C327	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C328	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C331	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C332	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C334	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C335	2203-000359	C-CERAMIC,CHIP;0.15nF,5%,50V,NP0,TP,1005	
C336	2203-002443	C-CERAMIC,CHIP;0.33nF,10%,50V,X7R,TP,100	
C337	2203-002443	C-CERAMIC,CHIP;0.33nF,10%,50V,X7R,TP,100	
C338	2203-000359	C-CERAMIC,CHIP;0.15nF,5%,50V,NP0,TP,1005	
C339	2203-002443	C-CERAMIC,CHIP;0.33nF,10%,50V,X7R,TP,100	
C340	2203-002443	C-CERAMIC,CHIP;0.33nF,10%,50V,X7R,TP,100	
C401	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C402	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C403	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C404	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C405	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C406	2203-002338	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,100	
C407	2203-002338	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,100	
C408	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C409	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C410	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C411	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C412	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C413	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C414	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C415	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C416	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C418	2203-002338	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,100	
C419	2203-002338	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,100	
C423	2203-002982	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1005	
C424	2203-002982	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1005	
C425	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C426	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C502	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C503	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C504	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C505	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C506	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C507	2203-002338	C-CERAMIC,CHIP;0.015nF,5%,50V,NP0,TP,100	
C508	2203-000679	C-CERAMIC,CHIP;0.027nF,5%,50V,NP0,TP,100	
C509	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C510	2203-000330	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,100	
C511	2203-000330	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,100	
C513	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C515	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C520	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C521	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C522	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C523	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C525	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C526	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C527	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C528	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C529	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C530	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C531	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
C533	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C534	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C535	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C536	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C601	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C602	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C603	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C620	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	

Loc.No	Part No	Desc & Spec	Remark
C622	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C630	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C631	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C632	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C633	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C640	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C650	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C651	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C655	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
C656	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C671	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C672	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C673	2203-000888	C-CERAMIC,CHIP;4.7nF,10%,50V,X7R,TP,1608	
C674	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
C676	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C677	2203-000491	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1608	
C678	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C679	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C680	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C681	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C682	2203-000236	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,1608	
C683	2203-000799	C-CERAMIC,CHIP;33nF,10%,16V,X7R,TP,1608	
C684	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C685	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C686	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
C687	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C701	2203-000489	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1005	
C702	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C703	2203-005247	C-CERAMIC,CHIP;68nF,+80-20%,16V,Y5V,TP,1	
C704	2203-001405	C-CERAMIC,CHIP;22nF,+80-20%,25V,Y5V,TP,1	
C705	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C706	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C707	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C708	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C709	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
C710	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C711	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C712	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C713	2203-001405	C-CERAMIC,CHIP;22nF,+80-20%,25V,Y5V,TP,1	
C714	2203-005247	C-CERAMIC,CHIP;68nF,+80-20%,16V,Y5V,TP,1	
C715	2203-000489	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1005	
C716	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C717	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C718	2203-001432	C-CERAMIC,CHIP;47nF,+80-20%,16V,Y5V,TP,1	
C719	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C720	2203-000138	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1005	
C721	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C722	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C723	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
C724	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C725	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C726	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C727	2404-000275	C-TA,CHIP;100UF,10%,10V,GP,TP,7343	
C728	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C729	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C730	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C735	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C736	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C737	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C738	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
C739	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C740	2203-000138	C-CERAMIC,CHIP;1.5nF,10%,50V,X7R,TP,1005	
C741	2203-001432	C-CERAMIC,CHIP;47nF,+80-20%,16V,Y5V,TP,1	
C742	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C743	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C746	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
C747	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
C750	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C751	2203-000489	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1005	
C752	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
C753	2203-000489	C-CERAMIC,CHIP;2.2nF,10%,50V,X7R,TP,1005	
C754	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C755	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C756	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C760	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C761	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C767	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C768	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C769	2203-002487	C-CERAMIC,CHIP;4.7nF,10%,25V,X7R,TP,1005	
C770	2203-002487	C-CERAMIC,CHIP;4.7nF,10%,25V,X7R,TP,1005	
C771	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C772	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C9002	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9004	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C9005	2203-005644	C-CERAMIC,CHIP;10000nF,10%,6.3V,X5R,TP,3	
C9010	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C9011	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9013	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9014	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9015	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C9017	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C9019	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C9021	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C9022	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C9024	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C9026	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C9027	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C9028	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C9029	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C9030	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C9031	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C904	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C905	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C9050	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C9051	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
C9052	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C9053	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C906	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
C907	2203-000560	C-CERAMIC,CHIP;220nF,+80-20%,25V,Y5V,TP,	
C908	2203-005659	C-CERAMIC,CHIP;0.18nF,5%,50V,NP0,TP,1005	
C910	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C912	2203-002982	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1005	
C913	2203-005644	C-CERAMIC,CHIP;10000nF,10%,6.3V,X5R,TP,3	
C919	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C920	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C922	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C923	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C924	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C925	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C930	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C931	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C932	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C933	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C934	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C935	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C936	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C937	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C938	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C939	2203-000483	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C940	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
C941	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C943	2203-005644	C-CERAMIC,CHIP;10000nF,10%,6.3V,X5R,TP,3	
C944	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
C951	2203-000812	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,100	
C952	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C953	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C955	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C959	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C960	2203-000812	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,100	
C961	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C962	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
C963	2203-000254	C-CERAMIC,CHIP;10nF,10%,16V,X7R,TP,1005,	
C969	2203-005619	C-CERAMIC,CHIP;4700NF,10%,16V,X5R,TP,321	
C983	2203-000941	C-CERAMIC,CHIP;470pF,10%,50V,X7R,TP,1005	
C991	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
C992	2404-000335	C-TA,CHIP;3.3uF,20%,16V,GP,TP,3216	

Loc.No	Part No	Desc & Spec	Remark
CA01	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA02	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CA03	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA05	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA06	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA07	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CA10	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CA11	2203-001630	C-CERAMIC,CHIP;330nF,+80-20%,16V,Y5V,TP,	
CA12	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA13	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA14	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CA20	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CA21	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CA22	2203-000812	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,100	
CA23	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA24	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA25	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA26	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA27	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA28	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA29	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CA30	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CC01	2203-000812	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,100	
CC02	2203-001408	C-CERAMIC,CHIP;0.27nF,5%,50V,NP0,TP,1608	
CC05	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
CC06	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC07	2404-000167	C-TA,CHIP;2.2uF,20%,16V,-,TP,3216,-	
CC08	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC09	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
CC10	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC11	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
CC12	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CC13	2203-000278	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
CC14	2203-002982	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1005	
CC15	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC16	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
CC17	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CC18	2203-000278	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
CC19	2203-002982	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1005	
CC20	2203-000278	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
CC21	2203-002982	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1005	
CC22	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC23	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC24	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC25	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC26	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC27	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC28	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC29	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC30	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC31	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC32	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC33	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC35	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC38	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CC39	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC40	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC41	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
CC42	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
CC43	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC44	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC45	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
CC46	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
CC47	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CC48	2203-001153	C-CERAMIC,CHIP;0.068nF,5%,50V,NP0,TP,100	
CD01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CD02	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD03	2203-000278	C-CERAMIC,CHIP;0.01nF,0.5pF,50V,NP0,TP,1	
CD04	2203-000812	C-CERAMIC,CHIP;0.033nF,5%,50V,NP0,TP,100	
CD07	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD08	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD09	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD10	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	

Loc.No	Part No	Desc & Spec	Remark
CD11	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD12	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD13	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD14	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CD15	2203-000995	C-CERAMIC,CHIP;0.047nF,5%,50V,NP0,TP,100	
CI01	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI02	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI03	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI04	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CI05	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
CI06	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI07	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CI08	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
CI09	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI10	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI11	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI12	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
CI13	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI14	2203-000438	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1005,-	
CI15	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI16	2203-000330	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,100	
CI17	2203-000330	C-CERAMIC,CHIP;0.012nF,5%,50V,NP0,TP,100	
CI18	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CI19	2203-000585	C-CERAMIC,CHIP;220pF,10%,50V,X7R,TP,1005	
CI20	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI21	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CI24	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI25	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI26	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI28	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI29	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI30	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI31	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CI32	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CN101	3708-001111	CONNECTOR-FPC/FC/PIC;14P,0.5mm,SMD-A,SN	
CN301	3708-001115	CONNECTOR-FPC/FC/PIC;40P,0.5mm,SMD-S,SN	
CN402	3710-001215	CONNECTOR-SOCKET;10P,2R,0.8mm,SMD-S,SN	
CN601	3708-001022	CONNECTOR-FPC/FC/PIC;18P,0.5mm,ANGLE,SN	
CN602	3708-001598	CONNECTOR-FPC/FC/PIC;19P,0.5MM,SMD-A-T,S	
CN603	3708-001235	CONNECTOR-FPC/FC/PIC;10P,0.5mm,SMD-A,SN	
CN604	3708-001134	CONNECTOR-FPC/FC/PIC;11P,0.5mm,SMD-A,SN	
CN701	3711-000922	CONNECTOR-HEADER;BOX,4P,1R,1.25mm,SMD-A,	
CN901	3710-000554	CONNECTOR-SOCKET;40P,2R,0.8mm,SMD-A,SN	
CN902	3711-002162	CONNECTOR-HEADER;3WALL,2P,1R,1.25mm,SMD-	
CNA01	3708-001071	CONNECTOR-FPC/FC/PIC;22P,0.5mm,SMD-S,SN	
CNC01	3708-001115	CONNECTOR-FPC/FC/PIC;40P,0.5mm,SMD-S,SN	
CNI01	3708-001070	CONNECTOR-FPC/FC/PIC;22P,0.5mm,SMD-A,SN	
CNP01	3710-001478	CONNECTOR-SOCKET;18P,2R,1MM,SMD-S,SN	
CP02	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP03	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP05	2404-000218	C-TA,CHIP;330nF,20%,35V,-,TP,3216,-	
CP06	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP07	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP08	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP10	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP11	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP12	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP13	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP14	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP15	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP16	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CP18	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP19	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP20	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CP21	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP22	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP23	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP24	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP25	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP26	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP27	2203-005061	C-CERAMIC,CHIP;100nF,+80-20%,16V,Y5V,TP,	
CP28	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	
CP29	2203-000714	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1005	

Loc.No	Part No	Desc & Spec	Remark
CP31	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP32	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP33	2203-002717	C-CERAMIC,CHIP;10nF,+80-20%,50V,Y5V,TP,1	
CP36	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CP37	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP40	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP41	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CP42	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP43	2203-000715	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,1608	
CP44	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CP45	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CP46	2404-000156	C-TA,CHIP;1uF,20%,35V,-,TP,3528,1.4mm	
CP50	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CP51	2404-001039	C-TA,CHIP;47uF,20%,6.3V,GP,TP,3528,-	
CP53	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
D304	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
D501	0401-001058	DIODE-SWITCHING;KDS121,85V,300mA,SOT-323	
D502	0601-001422	LED;SMD,RED,-,660nm	
D930	0404-000110	DIODE-SCHOTTKY;RB411D,20V,500mA,SOT-23,T	
D931	0407-000139	DIODE-ARRAY;IMN10,80V,100mA,CX3,IMD,TP	
DA01	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
DP01	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
FC01	AC29-92001R	FILTER-LC CHIP;BP,8.192M,NLT3225-S8R2,C4	
FC02	AC29-92001S	FILTER-LC CHIP;BP,11.290M,NLT3225-S11R3,	
FC03	AC29-92001Q	FILTER-LC CHIP;BP,12.288M,NLT3225-S12R3A	
FI01	AD27-00004A	COIL-CHOKE;PLW3216S161SQ2T1,VP-D65,112oh	
FI02	AD27-00004A	COIL-CHOKE;PLW3216S161SQ2T1,VP-D65,112oh	
IC102	1204-001684	IC-EQUALIZER;VM65011LPTQ,QFP,64P,393MIL,	
IC301	1204-001458	IC-OSD PROCESSOR;M35040-064FP(SEC),DIP,2	
IC302	1201-001322	IC-VIDEO AMP;NJM2538V,SOP,20P,175MIL,-,-	
IC303	AC14-12015G	IC-LINEAR;NJM2249V,SSOP,TAPE	
IC401	AD09-00052A	IC-MICOM;uPD70F3040YGM-UEU,-,-,-,LQFP,-	
IC404	1103-001023	IC-EEPROM;524C80D81,1028x8Bit,SOP,8P,150	
IC405	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
IC406	1203-002277	IC-POSI.FIXED REG.;TK71730,SOT23-5,5P,63	
IC501	AD09-12002N	IC-AF MICOM OTP;CXP818P48AR-1	
IC502	1203-001021	IC-VOLTAGE REGULATOR;8423,SOP,8P,251MIL,	
IC601	1003-001241	IC-MOTOR DRIVER;LB11990W,SQPF,64P,-,-,1A	
IC602	1201-000240	IC-OP AMP;2902,SOP,14P,173MIL,QUAD,15V/m	
IC701	1205-001482	IC-INTERFACE;LA74200W,QFP,64P,400MIL,EPO	
IC751	1002-001261	IC-D/A CONVERTER;AK4550,16BIT,TSSOP,16P,	
IC900	1203-001534	IC-PWM CONTROLLER;TL1466I,QFP,64P,-,PLAS	
IC9001	1203-000445	IC-POSI.FIXED REG.;14641,TO-220,3P,-,PLA	
ICA01	1003-001200	IC-MOTOR DRIVER;UPD16835,SOP,38P,300MIL,	
ICA02	1201-000246	IC-OP AMP;3403,SOP,14P,173MIL,QUAD,20V/m	
ICA03	1201-000200	IC-OP AMP;3414,SOP,8P,173MIL,DUAL,-,PLAS	
ICC01	AD13-00012A	IC ASIC;-,AV-CODEC,208PIN,3.3V/2.5V,-1	
ICC02	AC14-12008U	IC-LOGIC;M52660FP,QFP,BULK 48P	
ICC03	0801-000301	IC-CMOS LOGIC;7W04,INVERTER,SSOP,8P,110M	
ICC04	1002-001167	IC-D/A CONVERTER;M62368GP,8BIT,SSOP,16P,	
ICC05	0801-002001	IC-CMOS LOGIC;7W74,D FLIP-FLOP,SSOP,8P,1	
ICC06	1105-001268	IC-DRAM;3617161,512Kx16bitx2Bit,TSOP,5	
ICC07	0801-002534	IC-CMOS LOGIC;7WH74,D FLIP-FLOP,SSOP,8P,	
ICD01	AD13-00009A	IC ASIC;-,L8A0404,TQFP,144p,Channel	
ICD02	AD11-00002A	IC-MEMEORY;GLT440L16-40TC,40,TSOP,DRAM ,	
ICI01	1205-001987	IC-DATA COMM./GEN.;TSB42AB4,QFP,128P,551	
ICI02	1205-001988	IC-DATA COMM./GEN.;TSB41AB1-PAP,QFP,64P,	
ICI03	0801-002272	IC-CMOS LOGIC;TC7SET08FU(TE85L)AND GATE,	
ICP01	1002-001270	IC-A/D CONVERTER;TLV990BPFB,10,TQFP,48P,	
ICP02	AH14-00001A	IC-DIS;KS7333,TQFP,-,80P,M-PJ	
ICP03	1105-001268	IC-DRAM;3617161,512Kx16bitx2Bit,TSOP,5	
ICP04	AD13-00011A	IC-DSP;S5C7341X,VP-D73,80P,0 TO 70,TQ	
ICP05	1003-001065	IC-CLOCK DRIVER;KS7221D,SOP,20P,225MIL,Q	
L101	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
L102	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
L302	2703-002094	INDUCTOR-SMD;22uH,10%,2.5x2.0x1.8mm	
L303	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
L304	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
L305	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
L306	2703-000426	INDUCTOR-SMD;2.2uH,5%,2x2.5x1.8mm	
L307	2703-000426	INDUCTOR-SMD;2.2uH,5%,2x2.5x1.8mm	
L401	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
L601	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
L603	2703-002181	INDUCTOR-SMD;33UH,10%,2.5X2.0X1.8MM	
L604	2703-002181	INDUCTOR-SMD;33UH,10%,2.5X2.0X1.8MM	
L701	2703-000407	INDUCTOR-SMD;330uH,10%,3.2x2.5x2.2mm	
L704	2703-002175	INDUCTOR-SMD;100UH,10%,2.5X2.0X1.8MM	
L706	2703-000402	INDUCTOR-SMD;1uH,20%,3.2x2.5x2.2mm	
L707	2703-001867	INDUCTOR-SMD;1UH,20%,2.5X2X1.8MM	
L710	2703-002181	INDUCTOR-SMD;33UH,10%,2.5X2.0X1.8MM	
L900	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L9001	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L9002	2703-001865	INDUCTOR-SMD;33UH,20%,6X6X2.8MM	
L9004	2703-001872	INDUCTOR-SMD;22UH,20%,6X6X2.8MM	
L9005	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
L9008	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L9009	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L901	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L9010	2703-001865	INDUCTOR-SMD;33UH,20%,6X6X2.8MM	
L9011	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L9050	2703-001865	INDUCTOR-SMD;33UH,20%,6X6X2.8MM	
L9051	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L910	2703-001865	INDUCTOR-SMD;33UH,20%,6X6X2.8MM	
L916	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
L920	2703-001865	INDUCTOR-SMD;33UH,20%,6X6X2.8MM	
L921	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L922	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L923	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
L924	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
L930	2703-002175	INDUCTOR-SMD;100UH,10%,2.5X2.0X1.8MM	
L931	2703-002175	INDUCTOR-SMD;100UH,10%,2.5X2.0X1.8MM	
L932	2703-002175	INDUCTOR-SMD;100UH,10%,2.5X2.0X1.8MM	
L933	2703-002175	INDUCTOR-SMD;100UH,10%,2.5X2.0X1.8MM	
L940	2703-001865	INDUCTOR-SMD;33UH,20%,6X6X2.8MM	
L941	2703-000408	INDUCTOR-SMD;3.3uH,20%,3.2x2.5x2.2mm	
L950	2703-001866	INDUCTOR-SMD;100UH,20%,6X6X2.8MM	
L960	2703-001866	INDUCTOR-SMD;100UH,20%,6X6X2.8MM	
L990	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
L991	2007-000033	R-CHIP;0OHM,5%,1/8W,DA,TP,3216	
LA01	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LA02	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LA04	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LC01	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LC02	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LC03	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LC04	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LC06	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LD01	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LI01	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LI02	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LI05	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP01	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP02	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP03	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP04	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP05	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP06	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP07	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
LP08	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
Q101	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q302	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q306	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q307	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q501	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q502	0501-000546	TR-SMALL SIGNAL;KSA1298,PNP,200mW,SOT-23	
Q503	0504-001036	TR-DIGITAL;KRA304,PNP,100MW,47K/47K,SOT-	
Q601	0501-000172	TR-SMALL SIGNAL;2SB1121,PNP,500mW,PCP,TP	
Q602	0504-001038	TR-DIGITAL;KRC402,NPN,100MW,10K/10K,SOT-	
Q611	0504-001038	TR-DIGITAL;KRC402,NPN,100MW,10K/10K,SOT-	
Q701	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q702	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q703	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q704	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
Q705	0504-001036	TR-DIGITAL;KRA304,PNP,100MW,47K/47K,SOT-	
Q706	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q9001	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	

Loc.No	Part No	Desc & Spec	Remark
Q9003	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q9004	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q9005	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q910	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q920	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q930	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q940	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q950	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q960	0502-001184	TR-POWER;CPH6701,PNP,1300mW,SOT-23-6L,T	
Q993	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
Q994	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q995	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
Q996	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA01	0501-002310	TR-SMALL SIGNAL;HN1B04FU,PNP/NPN,200mW,U	
QA02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA04	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA05	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QA06	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QA07	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QI03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QI04	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
QI05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP01	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QP02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
R102	2007-000155	R-CHIP;27Kohm,5%,1/16W,DA,TP,1005	
R103	2007-000159	R-CHIP;56Kohm,5%,1/16W,DA,TP,1005	
R104	2007-000139	R-CHIP;220ohm,5%,1/16W,DA,TP,1005	
R107	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R108	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R116	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R121	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R132	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R135	2007-003013	R-CHIP;2.4KOHM,5%,1/16W,DA,TP,1005	
R136	2007-007095	R-CHIP;390OHM,5%,1/16W,DA,TP,1005	
R301	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R302	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R303	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R304	2007-001307	R-CHIP;180ohm,5%,1/16W,DA,TP,1005	
R311	2007-003029	R-CHIP;820KOHM,5%,1/16W,DA,TP,1005	
R312	2007-001305	R-CHIP;120ohm,5%,1/16W,DA,TP,1005	
R313	2007-001305	R-CHIP;120ohm,5%,1/16W,DA,TP,1005	
R314	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R315	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R316	2007-000566	R-CHIP;220Kohm,5%,1/16W,DA,TP,1005	
R317	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R318	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R322	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R323	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R325	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R331	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R332	2007-000161	R-CHIP;82Kohm,5%,1/16W,DA,TP,1005	
R333	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R334	2007-000161	R-CHIP;82Kohm,5%,1/16W,DA,TP,1005	
R335	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R336	2007-008015	R-CHIP;75ohm,1%,1/16W,DA,TP,1005	
R337	2007-008015	R-CHIP;75ohm,1%,1/16W,DA,TP,1005	
R338	2007-002970	R-CHIP;56OHM,5%,1/16W,DA,TP,1005	
R340	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R341	2007-008336	R-CHIP;82OHM,1%,1/16W,1005,TP,1005	
R342	2007-008336	R-CHIP;82OHM,1%,1/16W,1005,TP,1005	
R401	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R402	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R403	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R404	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
R405	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
R406	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R407	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
R408	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
R409	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R410	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R411	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R413	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R414	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R415	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R417	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R418	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R419	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R420	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R421	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R422	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R423	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R424	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R425	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R426	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R427	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R428	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R429	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R430	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R431	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R432	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R433	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R434	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R436	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R437	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R438	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R439	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R440	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R441	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R442	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R443	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1005	
R444	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R445	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R446	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R447	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R448	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R449	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R450	2007-000170	R-CHIP;1Mohm,5%,1/16W,DA,TP,1005	
R451	2007-000170	R-CHIP;1Mohm,5%,1/16W,DA,TP,1005	
R454	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R455	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R457	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R458	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R459	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R462	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
R469	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R470	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R472	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R473	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R474	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R491	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R492	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R493	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R494	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R495	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R496	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R501	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R502	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R503	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R504	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R506	2007-000636	R-CHIP;270Kohm,5%,1/16W,DA,TP,1005	
R507	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R509	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R510	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R511	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R512	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R513	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R514	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1005	
R515	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R516	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R517	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R518	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R519	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R520	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R521	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R522	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	

Loc.No	Part No	Desc & Spec	Remark
R523	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R524	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1005	
R525	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R526	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R528	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R529	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R530	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R531	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1005	
R532	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R533	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R535	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R536	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R537	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R538	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R540	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R541	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R542	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R543	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R544	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R545	2007-002797	R-CHIP;560ohm,5%,1/16W,DA,TP,1005	
R546	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R548	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R550	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R551	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R552	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R553	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R554	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R555	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R556	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R557	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R558	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R559	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R560	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
R561	2007-000755	R-CHIP;330Kohm,1%,1/16W,DA,TP,1608	
R562	2007-001111	R-CHIP;680Kohm,1%,1/16W,DA,TP,1608	
R563	2007-000755	R-CHIP;330Kohm,1%,1/16W,DA,TP,1608	
R564	2007-001111	R-CHIP;680Kohm,1%,1/16W,DA,TP,1608	
R570	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R571	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R572	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R573	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R574	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R575	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R576	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R577	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R578	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R598	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R601	2007-003015	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1005	
R602	2007-003015	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1005	
R603	2007-003015	R-CHIP;2.2OHM,5%,1/16W,DA,TP,1005	
R610	2007-000643	R-CHIP;270ohm,5%,1/16W,DA,TP,1608	
R611	2007-001217	R-CHIP;82ohm,5%,1/16W,DA,TP,1005	
R612	2007-000643	R-CHIP;270ohm,5%,1/16W,DA,TP,1608	
R615	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R620	2007-000831	R-CHIP;39Kohm,5%,1/16W,DA,TP,1005	
R621	2007-000146	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1005	
R622	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R623	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R625	2007-000104	R-CHIP;150Kohm,5%,1/16W,DA,TP,1608	
R640	2007-000160	R-CHIP;68Kohm,5%,1/16W,DA,TP,1005	
R641	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R642	2007-000152	R-CHIP;20Kohm,5%,1/16W,DA,TP,1005	
R643	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R644	2007-000161	R-CHIP;82Kohm,5%,1/16W,DA,TP,1005	
R645	2007-000160	R-CHIP;68Kohm,5%,1/16W,DA,TP,1005	
R646	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R647	2007-000152	R-CHIP;20Kohm,5%,1/16W,DA,TP,1005	
R648	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R660	2007-000159	R-CHIP;56Kohm,5%,1/16W,DA,TP,1005	
R661	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R662	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R663	2007-000155	R-CHIP;27Kohm,5%,1/16W,DA,TP,1005	
R670	2007-000153	R-CHIP;22Kohm,5%,1/16W,DA,TP,1005	

Loc.No	Part No	Desc & Spec	Remark
R671	2007-001114	R-CHIP;680Kohm,5%,1/16W,DA,TP,1608	
R672	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R673	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R674	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R675	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R676	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
R679	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R680	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R681	2007-000096	R-CHIP;30Kohm,5%,1/16W,DA,TP,1608	
R682	2007-000156	R-CHIP;30Kohm,5%,1/16W,DA,TP,1005	
R685	2007-000170	R-CHIP;1Mohm,5%,1/16W,DA,TP,1005	
R686	2007-000153	R-CHIP;22Kohm,5%,1/16W,DA,TP,1005	
R687	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R701	2007-003023	R-CHIP;62KOHM,5%,1/16W,DA,TP,1005	
R702	2007-000156	R-CHIP;30Kohm,5%,1/16W,DA,TP,1005	
R703	2007-000963	R-CHIP;5.1Kohm,2%,1/16W,DA,TP,1005	
R704	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R705	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R706	2007-003023	R-CHIP;62KOHM,5%,1/16W,DA,TP,1005	
R707	2007-000156	R-CHIP;30Kohm,5%,1/16W,DA,TP,1005	
R708	2007-008341	R-CHIP;5.1KOHM,0.5%,1/16W,DA,TP,1005	
R709	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R710	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R711	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R712	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R713	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R715	2007-002797	R-CHIP;560ohm,5%,1/16W,DA,TP,1005	
R716	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R717	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R718	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R719	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R720	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R721	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R724	2007-002797	R-CHIP;560ohm,5%,1/16W,DA,TP,1005	
R725	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R727	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R728	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R729	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R730	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R735	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R736	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R739	2007-000152	R-CHIP;20Kohm,5%,1/16W,DA,TP,1005	
R740	2007-000152	R-CHIP;20Kohm,5%,1/16W,DA,TP,1005	
R750	2007-000932	R-CHIP;470ohm,5%,1/16W,DA,TP,1005	
R751	2007-000932	R-CHIP;470ohm,5%,1/16W,DA,TP,1005	
R752	2007-000172	R-CHIP;10ohm,5%,1/16W,DA,TP,1005	
R753	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R760	2007-000147	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1005	
R762	2007-000147	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1005	
R770	2007-000146	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1005	
R771	2007-000146	R-CHIP;6.8Kohm,5%,1/16W,DA,TP,1005	
R900	2007-000066	R-CHIP;20Kohm,1%,1/16W,DA,TP,1608	
R9001	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R9002	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R9003	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1005	
R9004	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R9005	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1005	
R9007	2007-000775	R-CHIP;33Kohm,5%,1/16W,DA,TP,1005	
R9008	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R9009	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1005	
R901	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R9010	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R9011	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R9012	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R9014	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R9015	2007-001157	R-CHIP;750ohm,5%,1/16W,DA,TP,1608	
R9017	2007-001644	R-CHIP;10Kohm,0.5%,1/16W,DA,TP,1608	
R9018	2007-001650	R-CHIP;8.2Kohm,0.5%,1/16W,DA,TP,1608	
R9019	2007-000147	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1005	
R9020	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R9023	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R9024	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R9025	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	

Loc.No	Part No	Desc & Spec	Remark
R9026	2007-001068	R-CHIP;6.8Kohm,1%,1/16W,DA,TP,1608	
R9027	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
R9033	2007-001139	R-CHIP;7.5Kohm,1%,1/16W,DA,TP,1608	
R9050	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1005	
R9051	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R9052	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R9053	2007-001649	R-CHIP;4.7Kohm,0.5%,1/16W,DA,TP,1608	
R9054	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R9055	2007-000147	R-CHIP;8.2Kohm,5%,1/16W,DA,TP,1005	
R9056	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R9057	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
R910	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R911	2007-000219	R-CHIP;1.2Kohm,1%,1/16W,DA,TP,1608	
R913	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R914	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R915	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R920	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R922	2007-001644	R-CHIP;10Kohm,0.5%,1/16W,DA,TP,1608	
R923	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R924	2007-001694	R-CHIP;12Kohm,0.5%,1/16W,DA,TP,1608	
R925	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R931	2007-001650	R-CHIP;8.2Kohm,0.5%,1/16W,DA,TP,1608	
R932	2007-001643	R-CHIP;100Kohm,0.5%,1/16W,DA,TP,1608	
R934	2007-000982	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1005	
R935	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R936	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R937	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
R938	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R941	2007-000239	R-CHIP;1.5Kohm,1%,1/16W,DA,TP,1608	
R942	2007-001694	R-CHIP;12Kohm,0.5%,1/16W,DA,TP,1608	
R943	2007-001325	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1005	
R944	2007-001697	R-CHIP;18Kohm,0.5%,1/16W,DA,TP,1608	
R945	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R952	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R953	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R954	2007-000455	R-CHIP;18Kohm,1%,1/16W,DA,TP,1608	
R955	2007-000067	R-CHIP;15Kohm,1%,1/16W,DA,TP,1608	
R958	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R960	2007-000151	R-CHIP;15Kohm,5%,1/16W,DA,TP,1005	
R961	2007-001333	R-CHIP;18Kohm,5%,1/16W,DA,TP,1005	
R962	2007-000155	R-CHIP;27Kohm,5%,1/16W,DA,TP,1005	
R965	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
R990	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R991	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
R9910	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
R9911	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
R992	2007-001038	R-CHIP;56Kohm,1%,1/16W,DA,TP,1608	
R993	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RA01	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RA02	2007-000683	R-CHIP;3.3Kohm,1%,1/16W,DA,TP,1608	
RA03	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA04	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA05	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA06	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RA07	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RA08	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RA09	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RA10	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RA11	2007-000106	R-CHIP;220Kohm,5%,1/16W,DA,TP,1608	
RA12	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA13	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA14	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RA15	2007-000075	R-CHIP;220ohm,5%,1/16W,DA,TP,1608	
RA16	2007-000076	R-CHIP;330ohm,5%,1/16W,DA,TP,1608	
RA18	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RA19	2007-000979	R-CHIP;5.6Kohm,1%,1/16W,DA,TP,1608	
RA20	2007-001167	R-CHIP;75ohm,5%,1/16W,DA,TP,1608	
RA21	2007-000869	R-CHIP;4.7Kohm,1%,1/16W,DA,TP,1608	
RA26	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RA27	2007-000107	R-CHIP;470Kohm,5%,1/16W,DA,TP,1608	
RA28	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RA29	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RA31	2007-001007	R-CHIP;51Kohm,1%,1/16W,DA,TP,1608	
RA32	2007-000869	R-CHIP;4.7Kohm,1%,1/16W,DA,TP,1608	
RA33	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA34	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA35	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA36	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA37	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA38	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA39	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA40	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA41	2007-000863	R-CHIP;4.3OHM,5%,1/10W,DA,TP,2012	
RA42	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA43	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RA44	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RA45	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RA46	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA47	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RA48	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RA49	2007-000100	R-CHIP;68Kohm,5%,1/16W,DA,TP,1608	
RA50	2007-000118	R-CHIP;390ohm,5%,1/16W,DA,TP,1608	
RA51	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RA53	2007-000160	R-CHIP;68Kohm,5%,1/16W,DA,TP,1005	
RA54	2007-000160	R-CHIP;68Kohm,5%,1/16W,DA,TP,1005	
RC01	2007-000170	R-CHIP;1Mohm,5%,1/16W,DA,TP,1005	
RC03	2007-000858	R-CHIP;4.3Kohm,2%,1/16W,DA,TP,1005	
RC04	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
RC05	2007-000963	R-CHIP;5.1Kohm,2%,1/16W,DA,TP,1005	
RC06	2007-000170	R-CHIP;1Mohm,5%,1/16W,DA,TP,1005	
RC08	2007-002797	R-CHIP;560ohm,5%,1/16W,DA,TP,1005	
RC09	2007-007095	R-CHIP;390OHM,5%,1/16W,DA,TP,1005	
RC11	2007-002797	R-CHIP;560ohm,5%,1/16W,DA,TP,1005	
RC12	2007-007095	R-CHIP;390OHM,5%,1/16W,DA,TP,1005	
RC14	2007-002797	R-CHIP;560ohm,5%,1/16W,DA,TP,1005	
RC15	2007-007095	R-CHIP;390OHM,5%,1/16W,DA,TP,1005	
RC16	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RC19	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RC20	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RC24	2007-008015	R-CHIP;75ohm,1%,1/16W,DA,TP,1005	
RC25	2007-001301	R-CHIP;68ohm,5%,1/16W,DA,TP,1005	
RC26	2007-001313	R-CHIP;330ohm,5%,1/16W,DA,TP,1005	
RC27	2007-008015	R-CHIP;75ohm,1%,1/16W,DA,TP,1005	
RC28	2007-008336	R-CHIP;82OHM,1%,1/16W,1005,TP,1005	
RC29	2007-001313	R-CHIP;330ohm,5%,1/16W,DA,TP,1005	
RC30	2007-002970	R-CHIP;56OHM,5%,1/16W,DA,TP,1005	
RC31	2007-008015	R-CHIP;75ohm,1%,1/16W,DA,TP,1005	
RC32	2007-001313	R-CHIP;330ohm,5%,1/16W,DA,TP,1005	
RC33	2007-002970	R-CHIP;56OHM,5%,1/16W,DA,TP,1005	
RC35	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RC39	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RD01	2007-000170	R-CHIP;1Mohm,5%,1/16W,DA,TP,1005	
RD02	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RD03	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RD04	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RD05	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RD06	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RD07	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RD08	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
REGP01	1203-002184	IC-VOLTAGE REGULATOR;71725,SOT-23-5,5P,6	
RI01	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI02	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI03	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI04	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005	
RI05	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005	
RI06	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005	
RI07	2007-000143	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1005	
RI08	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI10	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RI11	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI13	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI17	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI20	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RI22	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
RI23	2007-008301	R-CHIP;56.2OHM,1%,1/16W,DA,TP,1005	
RI24	2007-008301	R-CHIP;56.2OHM,1%,1/16W,DA,TP,1005	

Loc.No	Part No	Desc & Spec	Remark
RI25	2007-008301	R-CHIP;56.2OHM,1%,1/16W,DA,TP,1005	
RI26	2007-008301	R-CHIP;56.2OHM,1%,1/16W,DA,TP,1005	
RI27	2007-008300	R-CHIP;5.11KOHM,1%,1/16W,DA,TP,1005	
RI28	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RI29	2007-001313	R-CHIP;330ohm,5%,1/16W,DA,TP,1005	
RI30	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RI40	2007-000157	R-CHIP;47Kohm,5%,1/16W,DA,TP,1005	
RI51	2007-008391	R-CHIP;6.34KOHM,1%,1/16W,DA,TP,1005	
RI69	2007-000140	R-CHIP;1Kohm,5%,1/16W,DA,TP,1005	
RI70	2007-000148	R-CHIP;10Kohm,5%,1/16W,DA,TP,1005	
RI90	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RI91	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RP03	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RP04	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RP06	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP07	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP08	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP09	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP10	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP11	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP12	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP13	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP14	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP15	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP16	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RP27	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP28	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP29	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP30	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
RP31	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
RP35	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
RP38	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP41	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
RP45	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
RP46	2007-000138	R-CHIP;100ohm,5%,1/16W,DA,TP,1005	
RP48	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RP63	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RP64	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RP71	2007-000162	R-CHIP;100Kohm,5%,1/16W,DA,TP,1005	
RP72	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
T901	2601-001083	TRANS-SMD,PULSE;32UH(PAL),-,-,6.1X6.1X2.	
XC01	2801-003652	CRYSTAL-SMD;8.192MHz,50ppm,28-ACI,12pF,5	
XD01	2801-003424	CRYSTAL-SMD;41.85MHZ,50ppm,28-ACC,12pF,-	
XI01	2801-003907	CRYSTAL-SMD;24.576MHz,50ppm,28-ACO,12pF,	
XS03	2804-001309	OSCILLATOR-CLOCK;54MHZ,20PPM,10TTL & CMO	
XT401	2801-003823	CRYSTAL-SMD;20MHZ,50PPM,28-ACL,12PF,50OH	
XT501	2801-003242	CRYSTAL-SMD;11.895104MHZ,50PPM,28-ABL,13	
XT502	2801-000258	CRYSTAL-UNIT;32.768KHz,20ppm,28-AAW,12.5	
RC22	2007-000171	R-CHIP;0ohm,5%,1/16W,DA,TP,1005	
		ASSY-CCD BOARD	
CC01	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CC02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC03	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CC04	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CC05	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CC06	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CNC01	3711-004241	CONNECTOR-HEADER;BOX,18P,2R,1MM,SMD-A,SN	
DC01	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
QC01	0505-000180	FET-SILICON;2SK1070,N,-,50mA,-,150mW,SOT	
RC01	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RC02	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RC04	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RC05	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RC06	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RC50	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
ICC01	0605-001052	CCD;COLOR,DIP,14P,400MIL,460K,3.72	
		ASSY-PREAMP BOARD	
C901	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
CN901	3708-001235	CONNECTOR-FPC/FC/PIC;10P,0.5mm,SMD-A,SN	

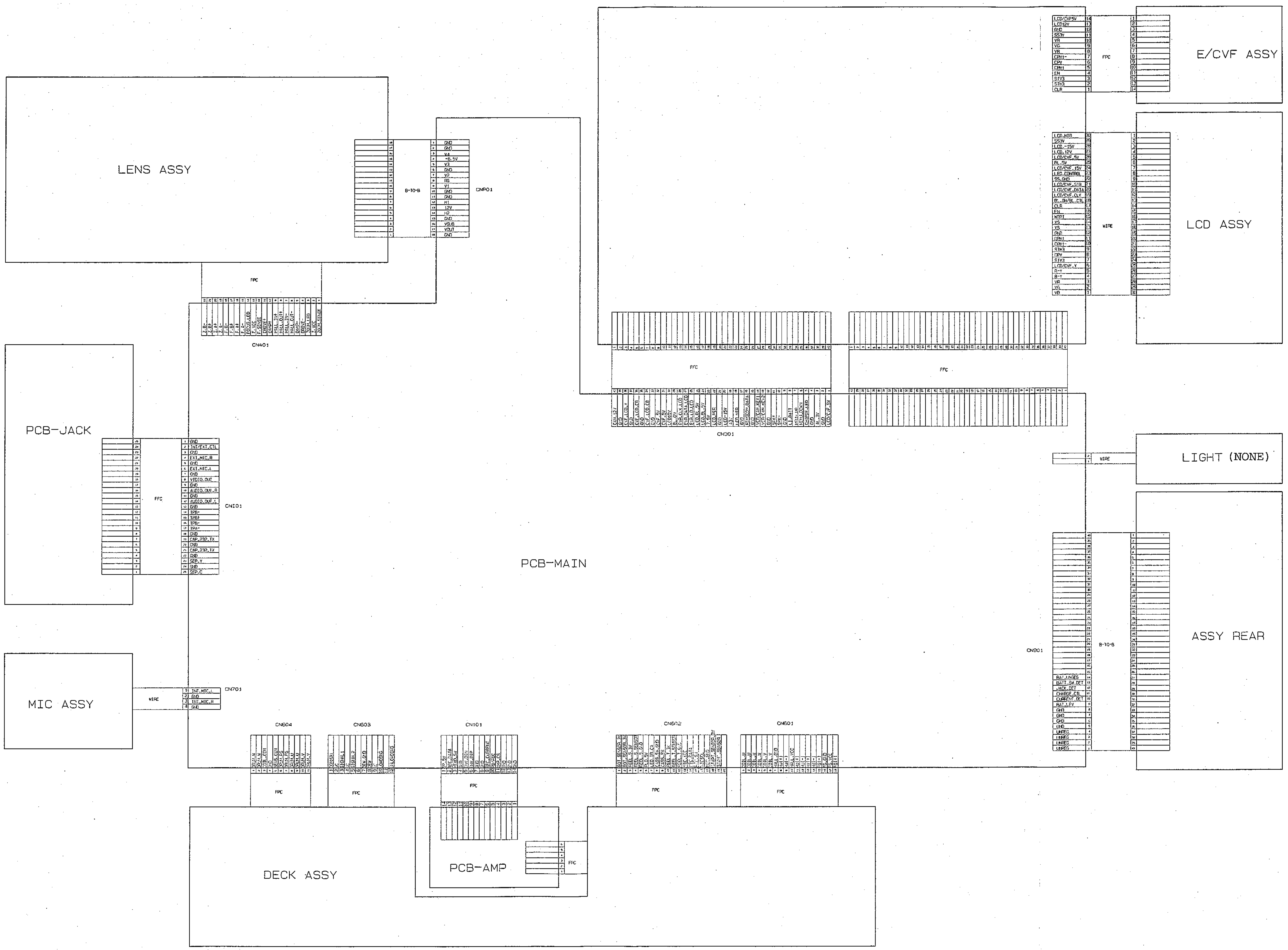
Loc.No	Part No	Desc & Spec	Remark
CN902	3708-001132	CONNECTOR-FPC/FC/PIC;15P,0.5mm,SMD-A,SN	
IC901	1201-001511	IC-PREAMP;370250,VSOP,14P,-,DUAL,500V/V,	
R901	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
R902	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
R903	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
		ASSY-REAR BOARD	
BR01	3301-001296	CORE-FERRITE BEAD;AB,600ohm,4.5x3.2x3mm,	
CNR01	3710-001106	CONNECTOR-SOCKET;40P,2R,0.8mm,SMD-S,SN	
CNR02	3710-001478	CONNECTOR-SOCKET;18P,2R,1MM,SMD-S,SN	
CR01	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
DR01	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
FER01	0505-001417	FET-SILICON;TPC8303,P,-30V,-4.5A,55mohm,	
ICR01	AC14-12012T	IC-OP AMP;TA75S01F(TE85L),QFP,-	
QR01	0504-001072	TR-DIGITAL;KRA303,PNP,100mW,22K/22K,SOT-	
QR02	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QR05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QR06	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
RR01	2007-007948	R-CHIP;0.1ohm,1%,0.75W,DA,TP,5025	
RR02	2007-000067	R-CHIP;15Kohm,1%,1/16W,DA,TP,1608	
RR03	2007-000043	R-CHIP;1Kohm,1%,1/16W,DA,TP,1608	
RR04	2007-000134	R-CHIP;33Kohm,5%,1/16W,DA,TP,1608	
RR08	2007-000109	R-CHIP;1Mohm,5%,1/16W,DA,TP,1608	
RR09	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RR10	2007-000077	R-CHIP;470ohm,5%,1/16W,DA,TP,1608	
RR11	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
SWR01	3409-001035	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
SWR03	3404-001130	SWITCH-TACT;12VDC,50mA,160gf,6.1x3.7x2.5	
SWR04	2102-001019	VR-SLIDE;10Kohm,30%,1/20W,SLIDE	
SWR05	3409-001035	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
SWR06	3409-001036	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,L	
SWR07	3404-001171	SWITCH-TACT;12V DC,50MA,200GF,6.6X6X5MM,	
SWR08	3404-001117	SWITCH-TACT;12V,50mA,130gf,8.0x3.7x2.5mm	
BTR1	AD63-00219A	TERMINAL-BATTERY;W-PJ,C5210R-H,0.2,-	
BTR2	AD63-00219A	TERMINAL-BATTERY;W-PJ,C5210R-H,0.2,-	
JR01	AD97-03400A	ASSY-DC JACK;-,VP-D70,-	
SWR02	3403-001084	SWITCH-PUSH;DC5V,1 MA,-,ON-OFF,-	
		ASSY-EVF BOARD	
CE01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CE02	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE03	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE04	2203-000440	C-CERAMIC,CHIP;1nF,10%,50V,X7R,TP,1608,-	
CE05	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CE07	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CE08	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE10	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE11	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE12	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE13	2203-000975	C-CERAMIC,CHIP;47nF,10%,25V,X7R,TP,1608,	
CE14	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CE15	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CE16	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CE17	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE18	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CE19	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CNE01	3711-002612	CONNECTOR-HEADER;BOX,5P,1R,1.25mm,SMD-A,	
CNE02	3708-001076	CONNECTOR-FPC/FC/PIC;20P,0.5mm,SMT-S,SN	
CNE03	3711-002162	CONNECTOR-HEADER;3WALL,2P,1R,1.25mm,SMD-	
ICE01	1003-001373	IC-LCD DRIVER;MCVVQ111FB,LQFP,48P,276MIL	
LE01	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
LE03	2703-000397	INDUCTOR-SMD;33uH,10%,2.5x2x1.8mm	
QE02	0501-002310	TR-SMALL SIGNAL;HN1B04FU,PNP/NPN,200mW,U	
RE01	2007-001125	R-CHIP;68Kohm,1%,1/16W,DA,TP,1608	
RE02	2007-001068	R-CHIP;6.8Kohm,1%,1/16W,DA,TP,1608	
RE05	2007-000828	R-CHIP;39Kohm,1%,1/16W,DA,TP,1608	
RE06	2007-000828	R-CHIP;39Kohm,1%,1/16W,DA,TP,1608	
RE07	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RE08	2007-000346	R-CHIP;120OHM,5%,1/8W,DA,TP,3216	
RE16	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE17	2007-000082	R-CHIP;3.3Kohm,5%,1/16W,DA,TP,1608	

Loc.No	Part No	Desc & Spec	Remark
RE19	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE20	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RE21	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
RE22	2007-001670	R-CHIP;68OHM,1%,1/10W,DA,TP,2012	
RE24	2007-000084	R-CHIP;4.7Kohm,5%,1/16W,DA,TP,1608	
RE25	2007-000097	R-CHIP;47Kohm,5%,1/16W,DA,TP,1608	
RE29	2007-000091	R-CHIP;12Kohm,5%,1/16W,DA,TP,1608	
VRE02	2104-000110	VR-SMD;10Kohm,25%,0.15W,TOP	
		ASSY-LCD BOARD	
CL101	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL102	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL104	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL107	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CL110	2404-000212	C-TA,CHIP;3.3uF,20%,25V,-,TP,3528,-	
CL111	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL137	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
CL138	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL148	2301-001108	C-FILM,CHIP;22nF,5%,50V,TP,3.2x2.5x1.4,3	
CL150	2203-005046	C-CERAMIC,CHIP;0.022nF,5%,3kV,NP0,TP,452	
CL157	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL158	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL160	2404-001131	C-TA,CHIP;22UF,20%,10V,GP,TP,3528	
CL161	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL162	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL202	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CL203	2203-001103	C-CERAMIC,CHIP;6.8nF,10%,50V,X7R,TP,1608	
CL204	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CL205	2203-000783	C-CERAMIC,CHIP;0.33nF,5%,50V,NP0,TP,1608	
CL206	2203-005105	C-CERAMIC,CHIP;0.68nF,5%,50V,NP0,TP,1608	
CL207	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL208	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL209	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL210	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CL211	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL212	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL213	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL214	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL217	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL218	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL219	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL220	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CL221	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CL222	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CL223	2404-000232	C-TA,CHIP;4.7uF,20%,10V,-,TP,3216,-	
CL224	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CL226	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL227	2404-000151	C-TA,CHIP;1uF,20%,16V,-,TP,3216,-	
CL229	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL230	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CL231	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL232	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL240	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
CL302	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL303	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL316	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL317	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL318	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL319	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL331	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CL332	2404-000335	C-TA,CHIP;3.3uF,20%,16V,GP,TP,3216	
CL343	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CL344	2203-000189	C-CERAMIC,CHIP;100nF,+80-20%,25V,Y5V,TP,	
CL401	2404-000284	C-TA,CHIP;10uF,20%,16V,-,TP,3528,-	
CL412	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
CNL101	3708-001455	CONNECTOR-FPC/FC/PIC;30P,0.5mm,SMD-A,SN	
CNL102	3708-001334	CONNECTOR-FPC/FC/PIC;10P,0.8mm,SMD-A,SN	
CNL301	3708-001604	CONNECTOR-FPC/FC/PIC;24P,0.5MM,SMD-A,SN	
DL303	0401-001054	DIODE-SWITCHING;KDS160,85V,300mA,SOD-323	
ICL201	1003-001368	IC-LCD DRIVER;AN2533FH,QFP,64P,393MIL,-,	
ICL202	1103-001133	IC-EEPROM;24C020,256x8BIT,SOP,8P,150MIL,	
ICL301	1201-001086	IC-OP AMP;TA75S558F,SOP,5P,62.9MIL,DUAL	

Loc.No	Part No	Desc & Spec	Remark
LL102	2703-000407	INDUCTOR-SMD;330uH,10%,3.2x2.5x2.2mm	
LL104	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
LL105	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
LL109	2703-001866	INDUCTOR-SMD;100UH,20%,6X6X2.8MM	
LL115	2703-000398	INDUCTOR-SMD;10uH,10%,3.2x2.5x2.2mm	
LL201	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
LL202	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
LL304	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
LL307	2703-000407	INDUCTOR-SMD;330uH,10%,3.2x2.5x2.2mm	
LL401	2703-000396	INDUCTOR-SMD;10uH,10%,2.5x2x1.8mm	
QL103	0504-001037	TR-DIGITAL;KRC401,NPN,100MW,4.7K/4.7K,SO	
QL108	0502-001182	TR-POWER;KTD1898,NPN,500mW,SOT-89,TP,12	
QL109	0502-001182	TR-POWER;KTD1898,NPN,500mW,SOT-89,TP,12	
QL110	0501-002311	TR-SMALL SIGNAL;HN2A01FU,PNP,200mW,UMD6,	
QL302	0501-002312	TR-SMALL SIGNAL;HN2C01FU,NPN,200mW,UMD6,	
QL303	0501-002128	TR-SMALL SIGNAL;KTC4075,NPN,100mW,USM,TP	
RL136	2007-000516	R-CHIP;2.7Kohm,1%,1/16W,DA,TP,1608	
RL137	2007-000516	R-CHIP;2.7Kohm,1%,1/16W,DA,TP,1608	
RL140	2007-000124	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1608	
RL141	2007-000116	R-CHIP;120ohm,5%,1/16W,DA,TP,1608	
RL142	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL201	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL202	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL203	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL204	2007-000092	R-CHIP;15Kohm,5%,1/16W,DA,TP,1608	
RL205	2007-000090	R-CHIP;10KOHM,5%,1/16W,DA,TP,1608	
RL206	2007-000101	R-CHIP;82Kohm,5%,1/16W,DA,TP,1608	
RL207	2007-000119	R-CHIP;560ohm,5%,1/16W,DA,TP,1608	
RL240	2007-001038	R-CHIP;56Kohm,1%,1/16W,DA,TP,1608	
RL241	2007-000336	R-CHIP;120Kohm,1%,1/16W,DA,TP,1608	
RL242	2007-001038	R-CHIP;56Kohm,1%,1/16W,DA,TP,1608	
RL243	2007-000336	R-CHIP;120Kohm,1%,1/16W,DA,TP,1608	
RL244	2007-001038	R-CHIP;56Kohm,1%,1/16W,DA,TP,1608	
RL245	2007-000336	R-CHIP;120Kohm,1%,1/16W,DA,TP,1608	
RL246	2007-000965	R-CHIP;5.1Kohm,5%,1/16W,DA,TP,1608	
RL247	2007-000965	R-CHIP;5.1Kohm,5%,1/16W,DA,TP,1608	
RL248	2007-000965	R-CHIP;5.1Kohm,5%,1/16W,DA,TP,1608	
RL301	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
RL302	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL303	2007-000086	R-CHIP;5.6Kohm,5%,1/16W,DA,TP,1608	
RL304	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RL305	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RL428	2007-000074	R-CHIP;100ohm,5%,1/16W,DA,TP,1608	
RL429	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
SWL101	3409-001035	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
TL101	AD26-82001C	TRANS-INVERTER;12.4X11X3.4,6V,101KHZ,843	
		ASSY-FUNCTION BOARD	
CF01	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CF02	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CF03	2203-000257	C-CERAMIC,CHIP;10nF,10%,50V,X7R,TP,1608	
CF04	2404-001020	C-TA,CHIP;10uF,20%,10V,GP,TP,3216,3.2	
CF05	2203-005148	C-CERAMIC,CHIP;100nF,10%,16V,X7R,TP,1608	
CF06	2404-000190	C-TA,CHIP;22uF,20%,16V,-,TP,5832,-	
CF08	2404-000304	C-TA,CHIP;22uF,20%,6.3V,-,TP,3528,-	
ICF01	1203-002306	IC-VOLTAGE REGULATOR;TK71650SC,SOT-23-5,	
LDF01	0601-001006	LED;CHIP,Y-GRN,1.3x2.9mm,570nm	
LF01	2703-002181	INDUCTOR-SMD;33UH,10%,2.5X2.0X1.8MM	
LF02	2703-002174	INDUCTOR-SMD;10UH,10%,2.5X2.0X1.8MM	
PF01	3708-001115	CONNECTOR-FPC/FC/PIC;40P,0.5mm,SMD-S,SN	
PF02	3711-002162	CONNECTOR-HEADER;3WALL,2P,1R,1.25mm,SMD-	
PF03	3708-001114	CONNECTOR-FPC/FC/PIC;30P,0.5mm,SMD-S,SN	
PF05	3711-000475	CONNECTOR-HEADER;3WALL,5P,1R,1.25mm,SMD-	
QF01	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QF02	0502-001076	TR-POWER;2SB1302(T),PNP,1.3W,SC-62,TP,2	
QF03	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
QF04	0501-000546	TR-SMALL SIGNAL;KSA1298,PNP,200mW,SOT-23	
QF05	0504-001032	TR-DIGITAL;KRC404,NPN,100MW,47K/47K,SOT-	
RF01	2007-000072	R-CHIP;47ohm,5%,1/16W,DA,TP,1608	
RF02	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RF03	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RF04	2007-000651	R-CHIP;27Kohm,1%,1/16W,DA,TP,1608	

Loc.No	Part No	Desc & Spec	Remark
RF05	2007-000828	R-CHIP;39Kohm,1%,1/16W,DA,TP,1608	
RF06	2007-001206	R-CHIP;82Kohm,1%,1/16W,DA,TP,1608	
RF07	2007-000633	R-CHIP;270Kohm,1%,1/16W,DA,TP,1608	
RF09	2007-001206	R-CHIP;82Kohm,1%,1/16W,DA,TP,1608	
RF10	2007-000828	R-CHIP;39Kohm,1%,1/16W,DA,TP,1608	
RF11	2007-000651	R-CHIP;27Kohm,1%,1/16W,DA,TP,1608	
RF12	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RF13	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RF14	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RF15	2007-000123	R-CHIP;1.5Kohm,5%,1/16W,DA,TP,1608	
RF17	2007-000070	R-CHIP;0ohm,5%,1/16W,DA,TP,1608	
RF19	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RF20	2007-000078	R-CHIP;1Kohm,5%,1/16W,DA,TP,1608	
RF22	2007-000458	R-CHIP;18Kohm,5%,1/16W,DA,TP,1608	
RF23	2007-000098	R-CHIP;56Kohm,5%,1/16W,DA,TP,1608	
RF26	2007-000071	R-CHIP;22ohm,5%,1/16W,DA,TP,1608	
RF27	2007-001042	R-CHIP;56ohm,1%,1/16W,DA,TP,1608	
RF28	2007-000102	R-CHIP;100Kohm,5%,1/16W,DA,TP,1608	
RF29	2007-000141	R-CHIP;2.2Kohm,5%,1/16W,DA,TP,1005	
SWF01	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF02	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF03	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF04	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF05	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF07	3404-001034	SWITCH-TACT;12V,50mA,160gf,4x7.4x1.8mm,S	
SWF08	3404-001034	SWITCH-TACT;12V,50mA,160gf,4x7.4x1.8mm,S	
SWF09	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF10	3404-001037	SWITCH-TACT;12V,50mA,130gf,6x6x4.3mm,SPS	
SWF11	3409-001035	SWITCH-DETECTOR;3~5V,50uA~10mA,2,30gf,LE	
RMF01	AD32-00010A	MODULE REMOCON;PIC-2604 SM1,37.9KHz,940n	
SWF13	3409-001024	SWITCH-DETECTOR;5V,1mA,SPST,31gf,LEVER	
VRF01	2101-001078	VR-ROTARY;1ohm,-,-,TOP	
	AD44-00035A	ADAPTOR-AC POWER;100/240V,50HZ/60HZ,-,-,	
C10	2203-000455	C-CERAMIC,CHIP;1nF,5%,50V,NP0,TP,2012	
C11	2301-001092	C-FILM,MPEF;100nF,20%,275V,BK,18x6x12,15	
C12	2401-003302	C-AL;47uF,20%,400V,GP,TP,18X31.5,7.	
C13	2401-003046	C-AL;47uF,20%,50V,WT,TP,6.3x11,2.5	
C14	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C15	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C16	2203-000716	C-CERAMIC,CHIP;3.3nF,10%,50V,X7R,TP,2012	
C30	2201-000828	C-CERAMIC,DISC;3.3nF,20%,400V,Y5U,TP,15x	
C50	2401-000133	C-AL;1000uF,20%,16V,GP,TP,10x20,5	
C51	2401-000037	C-AL;470uF,20%,16V,GP,TP,8x11.5,5	
C55	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
C57	2203-002793	C-CERAMIC,CHIP;1000nF,+80-20%,25V,Y5V,TP	
C58	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C59	2203-000938	C-CERAMIC,CHIP;0.47nF,5%,50V,NP0,TP,2012	
C61	2203-000192	C-CERAMIC,CHIP;100nF,+80-20%,50V,Y5V,TP,	
C62	2401-000442	C-AL;10uF,20%,25V,GP,TP,5x5,2.5	
C63	2203-000455	C-CERAMIC,CHIP;1nF,5%,50V,NP0,TP,2012	
CON1	3721-001034	PLUG-AC POWER;2P,-,-,NI	
CON2	3711-000900	CONNECTOR-HEADER;BOX,3P,1R,2.5mm,STRAIGH	
D10	0402-000137	DIODE-RECTIFIER;1N4007,1000V,1A,DO-41,TP	
D11	0402-000137	DIODE-RECTIFIER;1N4007,1000V,1A,DO-41,TP	
D12	0402-000137	DIODE-RECTIFIER;1N4007,1000V,1A,DO-41,TP	
D13	0402-000137	DIODE-RECTIFIER;1N4007,1000V,1A,DO-41,TP	
D14	0402-001041	DIODE-RECTIFIER;ERA22-10,1000V,500mA,MSR	
D15	0402-001041	DIODE-RECTIFIER;ERA22-10,1000V,500mA,MSR	
D50	0402-001062	DIODE-RECTIFIER;SF10SC9,90V,10A,FTO-220,	
D52	0407-000116	DIODE-ARRAY;DAP202K,80V,100mA,CK2-3,SOT-	
D53	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
D54	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
D55	0407-000114	DIODE-ARRAY;DAN202K,80V,100mA,CA2-3,SOT-	
F10	3601-000207	FUSE-CARTRIDGE;250V,1A,TIME-LAG,GLASS,5.	
IC10	1203-002180	IC-PWM CONTROLLER;5M0265,TO220F-4L,4P,39	
IC50	AC14-12006D	IC;KA431Z,TO-92,TAPING	
IC51	AC14-12001K	IC;KA324,-,-	
J10	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J11	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J50	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J51	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J52	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J53	2007-000029	R-CHIP;0OHM,5%,1/10W,DA,TP,2012	
J55	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J56	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J57	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
J61	AC38-12001U	WIRE-JUMPER(H-WRAP);1007#26,120M/M	
L50	AC27-12001N	COIL-CHOKE;10UH-15%,RA,K-30,Q80,150KHZ,-	
LF10	AC27-32001F	COIL-LINE FILTER;BSF-2123,20MH,2OHM,ST,-	
PC10	0604-000119	PHOTO-COUPLER;TR,200-400%,200mW,DIL-4,ST	
Q52	0501-000457	TR-SMALL SIGNAL;MMBT2222A,NPN,350mW,SOT-	
R00	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
R10	2007-000481	R-CHIP;1MOHM,5%,1/8W,DA,TP,3216	
R11	2007-000481	R-CHIP;1MOHM,5%,1/8W,DA,TP,3216	
R13	2003-000771	R-METAL OXIDE(S);68Kohm,5%,2W,AA,TP,4x12	
R14	2007-000598	R-CHIP;22OHM,5%,1/8W,DA,TP,3216	
R15	2007-000768	R-CHIP;330OHM,5%,1/8W,DA,TP,3216	
R16	2007-000768	R-CHIP;330OHM,5%,1/8W,DA,TP,3216	
R17	2007-001212	R-CHIP;82KOHM,5%,1/8W,DA,TP,3216	
R18	2007-001212	R-CHIP;82KOHM,5%,1/8W,DA,TP,3216	
R19	2007-001212	R-CHIP;82KOHM,5%,1/8W,DA,TP,3216	
R20	2007-001212	R-CHIP;82KOHM,5%,1/8W,DA,TP,3216	
R21	2001-000374	R-CARBON;15OHM,5%,1/4W,AA,TP,2.4X6.4MM	
R30	2001-000739	R-CARBON;4.7MOHM,5%,1/8W,AA,TP,1.8X3.2M	
R30	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,TP,11x	
R30A	2201-001005	C-CERAMIC,DISC;2.2nF,20%,400V,Y5U,TP,11x	
R50	2007-000472	R-CHIP;1KOHM,5%,1/8W,DA,TP,3216	
R51	2007-000472	R-CHIP;1KOHM,5%,1/8W,DA,TP,3216	
R53	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
R54	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
R55	2007-000312	R-CHIP;10OHM,5%,1/8W,DA,TP,3216	
R57	2007-000938	R-CHIP;47KOHM,1%,1/10W,DA,TP,2012	
R58	2007-001205	R-CHIP;82KOHM,1%,1/10W,DA,TP,2012	
R59	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
R60	2007-000771	R-CHIP;33KOHM,1%,1/10W,DA,TP,2012	
R61	2007-000395	R-CHIP;150KOHM,5%,1/10W,DA,TP,2012	
R62	2007-001039	R-CHIP;56KOHM,5%,1/10W,DA,TP,2012	
R63	2007-000290	R-CHIP;100OHM,5%,1/10W,DA,TP,2012	
R64	2007-001205	R-CHIP;82KOHM,1%,1/10W,DA,TP,2012	
R65	2007-000868	R-CHIP;4.7KOHM,1%,1/10W,DA,TP,2012	
R66	2007-000406	R-CHIP;15KOHM,1%,1/10W,DA,TP,2012	
R68	2007-000572	R-CHIP;220OHM,5%,1/10W,DA,TP,2012	
R70	2007-000546	R-CHIP;20KOHM,5%,1/10W,DA,TP,2012	
R71	2007-000300	R-CHIP;10KOHM,5%,1/10W,DA,TP,2012	
R72	2007-000582	R-CHIP;22KOHM,1%,1/10W,DA,TP,2012	
R74	2007-001205	R-CHIP;82KOHM,1%,1/10W,DA,TP,2012	
R76	2005-000102	R-WIRE WOUND;0.1ohm,1%,1W,AA,TP,4.5x11mm	
R77	2007-000068	R-CHIP;470KOHM,5%,1/10W,DA,TP,2012	
R79	2007-001067	R-CHIP;6.8KOHM,1%,1/10W,DA,TP,2012	
R80	2007-000477	R-CHIP;1MOHM,5%,1/10W,DA,TP,2012	
T10	AD26-00026A	TRANS POWER;AA-E6,AA-E6,1.4mH,6P,100~260	
VR50	2101-001049	VR-ROTARY;500ohm,-,-,-	
	AD59-00066A	REMOCON;VP-D70,BRM-D2E,87X52X14,DVC,16	
CT02	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
CT03	2203-000239	C-CERAMIC,CHIP;0.1nF,5%,50V,NP0,TP,2012	
CT04	2203-000199	C-CERAMIC,CHIP;100nF,+80-20%,50V,Z5U,TP,	
ICT01	AD09-00005A	IC-MCU;KS51850-H9D,-,REEL,-,-,SOP,-	
LDT01	0601-000519	LED-IR;ROUND,5mm,170mW,4V,940nm,-	
RT01	2007-000483	R-CHIP;1OHM,5%,1/10W,DA,TP,2012	
XT01	2802-000148	RESONATOR-CERAMIC;455KHz,0.4%,BK,7.0x3.5	

6. Wiring Diagram


LENS ASSY
B-TO-B
CNP01
GND
GND
V4
+6.5V
V3
GND
V2
RG
V1
GND
GND
H1
12V
H2
GND
VSUB
VOUT
GND
FPC
CNA01
Z.B-
Z.B+
Z.A+
Z.A-
F.B-
F.B+
F.A+
F.A-
FOCUS-LED
F.VCC
F.SENSE
DRIVE+
DAMP+
HALL_IN+
HALL_OUT+
HALL_IN-
HALL_OUT-
DAMP-
DRIVE-
ZOOM_LED
Z.VCC
ZOOM_SENSE
PCB-JACK
FFC
CN101
GND
INT/EXT_CTL
GND
EXT_MIC_R
GND
EXT_MIC_L
GND
VIDIO_OUT
GND
AUDIO_OUT_R
GND
AUDIO_OUT_L
GND
TPB-
TPB+
TPB-
TPA-
GND
CAP_232_TX
GND
CAP_232_TX
GND
SEP_Y
GND
SEP_C
MIC ASSY
WIRE
CN701
INT_MIC_L
GND
INT_MIC_R
GND
PCB-MAIN
CN301
FFC
CAM_12V
GND
CVF_LCD_Y
GND
CVF_LCD_CR
GND
CVF_LCD_CB
GND
CVF_5V
CVF_5V
LCD15V
BL_ON
EVR_CLK_LCD
EVR_DATA_LCD
EVR_LD_LCD
LCD_BL_5V
LCD_BL_5V
7.5V
LCD_MIR
GND
LCD-15V
LCD_MIR
GND
REMOCON_DATA
GND
VCR/CAM_KEY1
VCR/CAM_KEY2
GND
SPK+
SPK-
GND
LI_BATT
MENU_UP
MENU_DOWN
CHARGE_LED
GND
AL_3V
GND
LCD/CVF_5V
FPC
E/CVF ASSY
LCD/CVF5V
LCD12V
GND
SS3V
VR
VG
VB
CPH1-
CPV
CPH1
EN
STV3
STH3
CLR
LCD ASSY
WIRE
LCD_MIR
SS3V
LCD_-15V
LCD_12V
LCD/CVF_5V
BL_5V
LCD/CVF_15V
LED_CONTROL
SS_GND
LCD/CVF_STB
LCD/CVF_DATA
LCD/CVF_CLK
BL_ON/BL_CTL
CLR
EN
WRPT
XS
YS
GND
CPH1
CPH1-
STH3
CPV
STV3
LCD/CVF_Y
R-Y
B-Y
VR
VG
VB
LIGHT (NONE)
WIRE
ASSY REAR
B-TO-B
CN901
BAT_UNREG
BATT_SW_DET
JACK_DET
CHARGE_CTL
CURRENT_DET
BAT_LEV
GND
GND
GND
GND
UNREG
UNREG
UNREG
UNREG
CN604
DRUM_W
DRUM_W
COIL_COM
GND
SENS_COM
DRUM_FG
DRUM_FG
DRUM_U
DRUM_U
DRUM_V
DRUM_V
FPC
CN603
COMMON
SIGNAL1
SIGNAL2
SEN_GND
LOADING
FPC
CN101
PB_5V
REC_DATA
HEAD_SW
GND
GND
GND
REC_CURRENT
PB/REC
AMP_CS
GND
GND
GND
FPC
CN602
SOT_SENSOR_3V
SOT_SENSOR_3V
REEL_S_3V
REEL_S_SENSOR
REEL_S_GND
PLD_5V
LED_IR_CA
CASS_SW_GND
CASS_SW
REEL_T_3V
REEL_T_SENSOR
REEL_T_GND
MIC_VCC
MIC_DATA
MIC_GND
START_SENSOR_3V
START_SENSOR
FPC
CN601
COIL_U
COIL_U
COIL_W
COIL_W
COIL_V
COIL_V
HALL_GND
HALL_VCC
FG_GND
FG_VCC
FPC
DECK ASSY
PCB-AMP
FPC

7. PCB Diagrams

Page

7-1 Main ---------------------------------- 7-2

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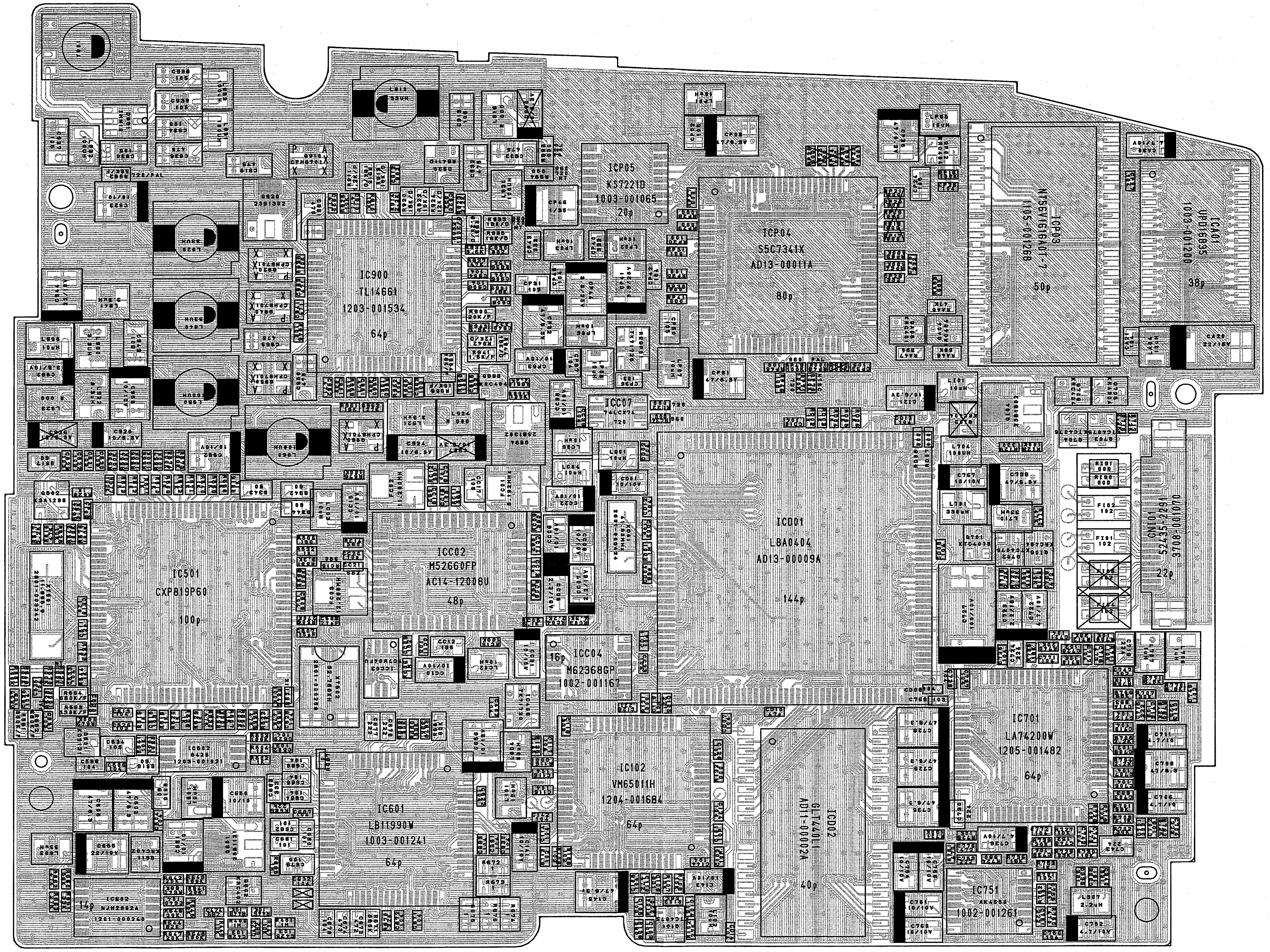
7-5 LCD ---------------------------------- 7-7

7-6 Pre Amp ----------------------------- 7-8

7-1 Main



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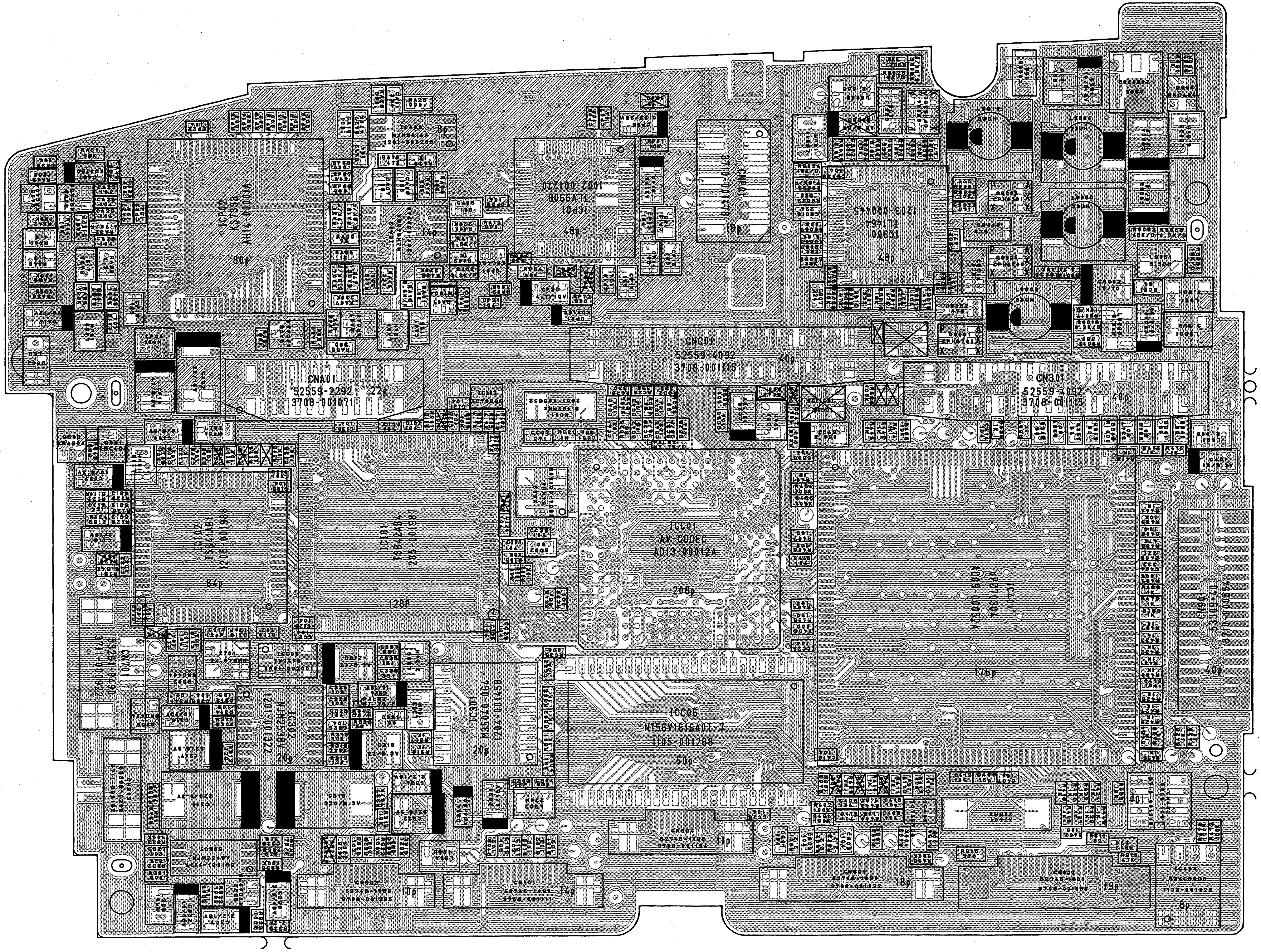
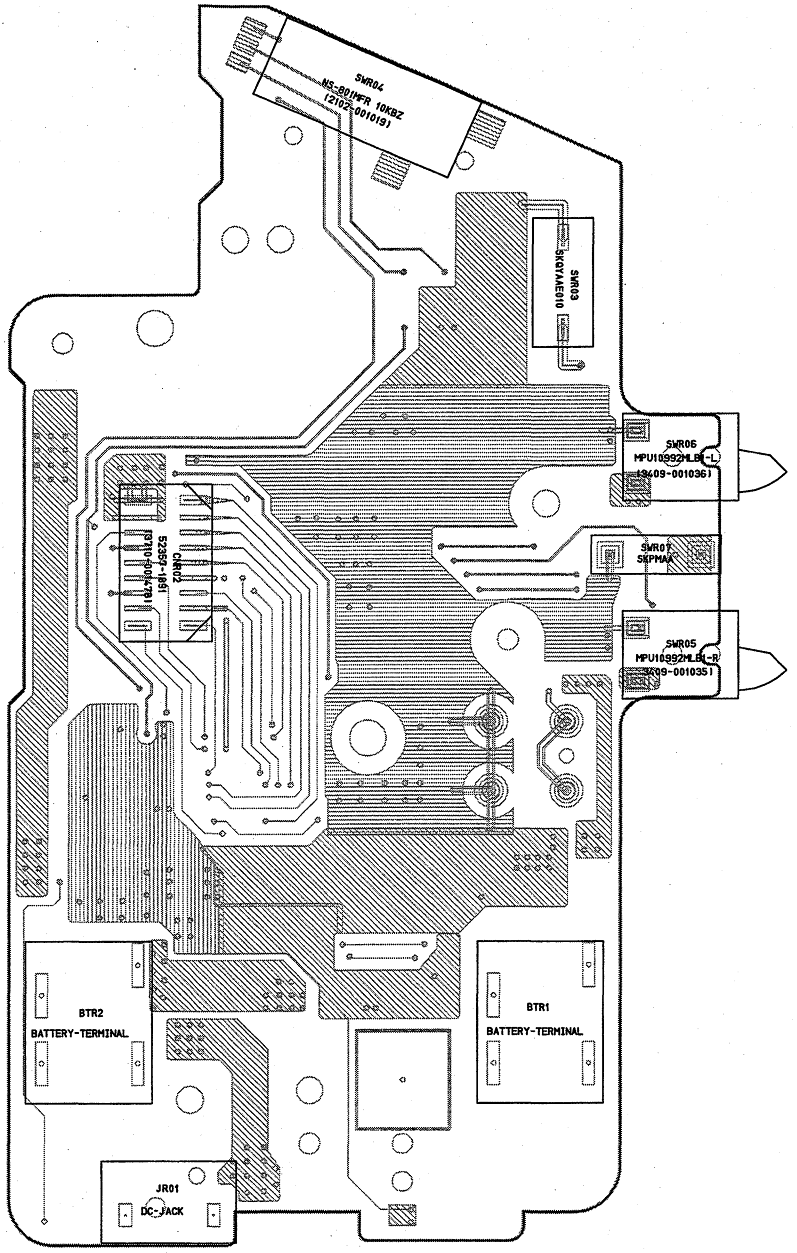
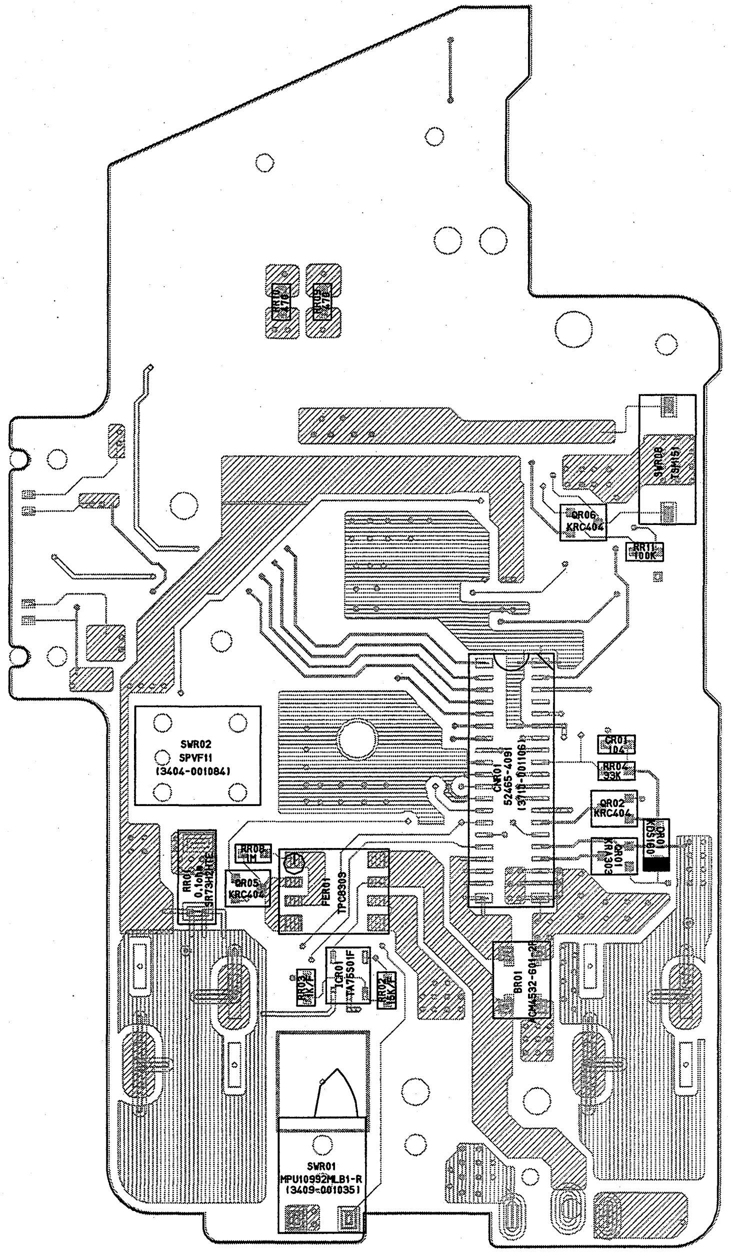

ICP02
KS7338
AH14-00001A
80p
ICP01
TLV950B
1002-001270
48p
CNP01
3710-001176
18p
IC9001
TL1464
1203-00445
48p
CNC01
52559-4092
3708-001115
40p
CNA01
52559-2292
3708-001071
22p
CN301
52559-4092
3708-001115
40p
ICC102
TSB41AB1
1205-001988
64p
ICC101
TSB12AB4
1205-001987
128P
ICC01
AV-CODEC
AD13-00012A
208p
IC401
UPD70304
AD09-00052A
176p
CN901
3710-000595
40p
CN101
52261-0690
3711-000522
IC302
NJM2536V
1201-001322
20p
IC301
M35040-064
1204-001458
20p
ICC06
NT56V1616A0T-7
1105-001268
50p
11p
10p
14p
18p
19p
8p

(Conductor Side)

7-2 Rear

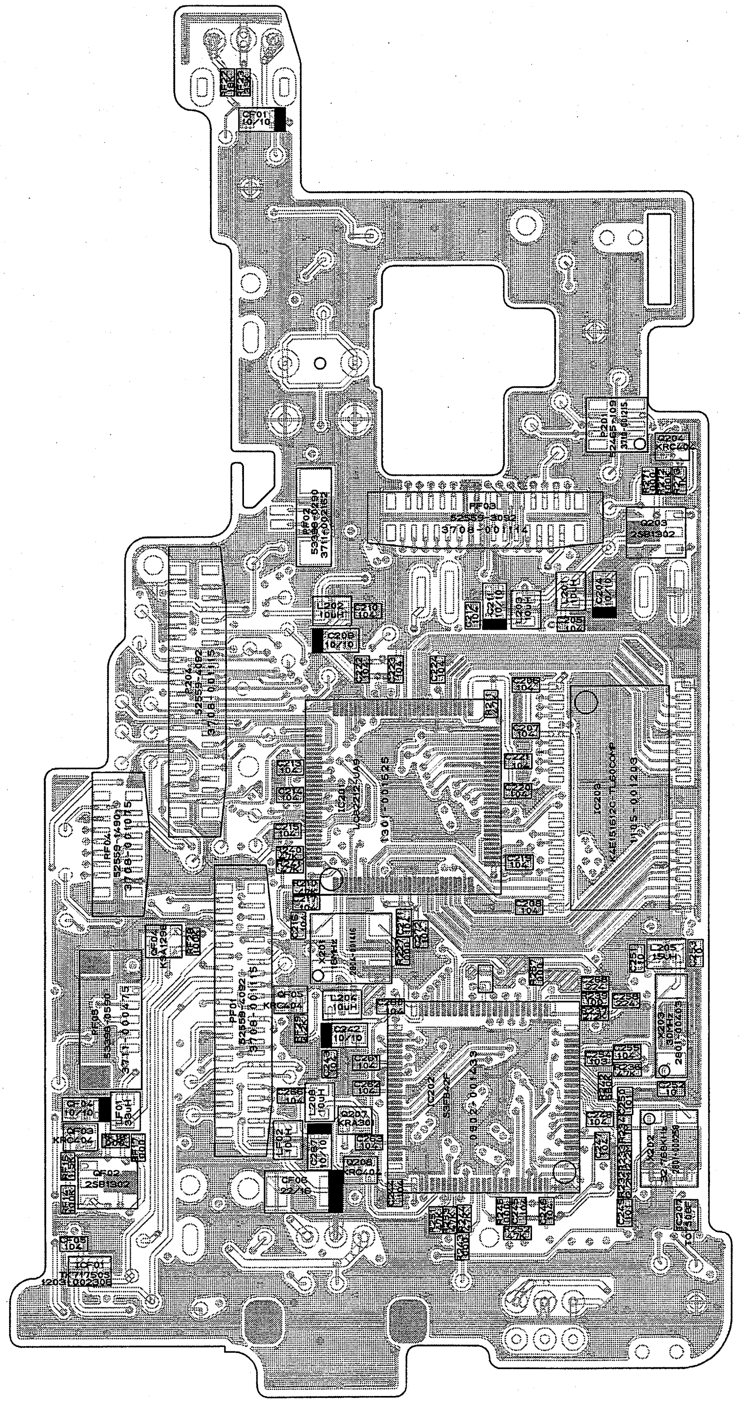

SWR04
NS-801MFR 10KBZ
(2102-001019)
SWR03
SKQYAEE010
SWR06
MPU10992MLB1-L
(3409-001036)
SWR07
SKPMAA
SWR05
MPU10992MLB1-R
(3409-001035)
CNR02
52353-1891
(3710-001478)
BTR2
BATTERY-TERMINAL
BTR1
BATTERY-TERMINAL
JR01
DC-JACK

(Component Side)

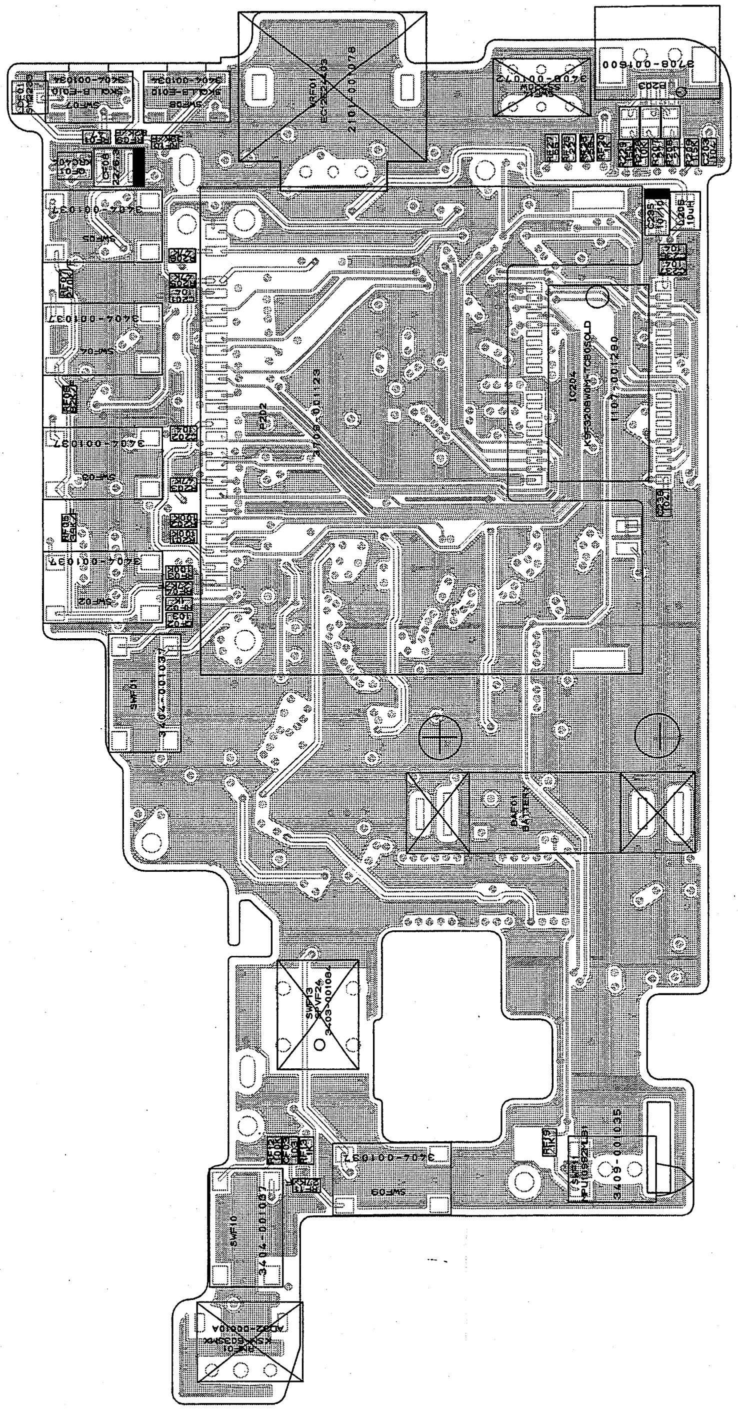

RR10
47Ω
RR09
47Ω
SWR08
TSM15
QR06
KRC404
RR11
100K
SWR02
SPVF11
(3404-001084)
CNR01
52465-4091
(3710-001106)
CR01
104
RR04
33K
QR02
KRC404
DR01
KDS160
QR01
KRA303
RR06
0.1ohm
SR73H2ATE
RR08
1M
QR05
KRC404
FER01
TPC8303
IC01
TA75S01F
RR03
1K/F
RR02
15K/F
BR01
ACM4532-601-2P
SWR01
MPU10992MLB1-R
(3409-001035)

(Conductor Side)

7-3 Function

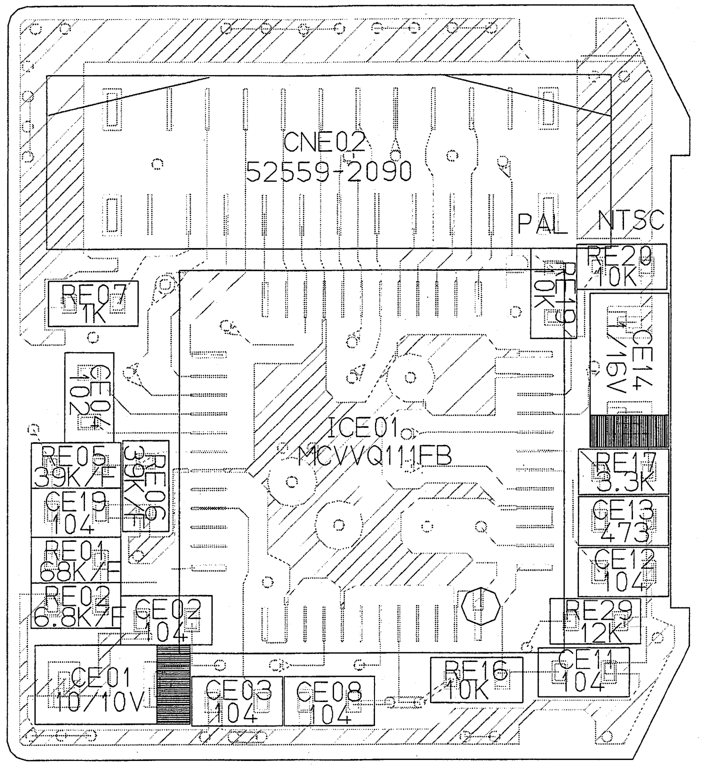


(Component Side)

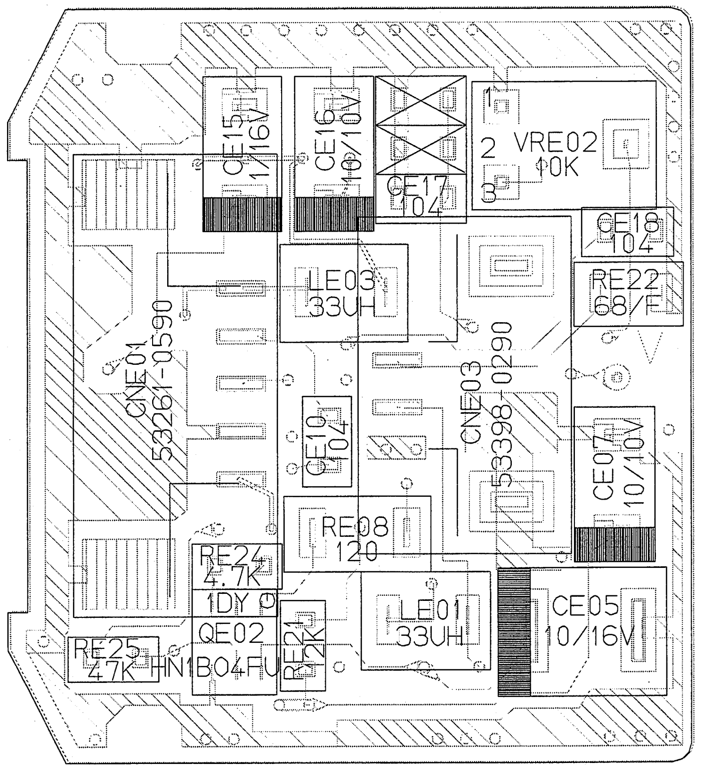


(Conductor Side)

7-4 EVF

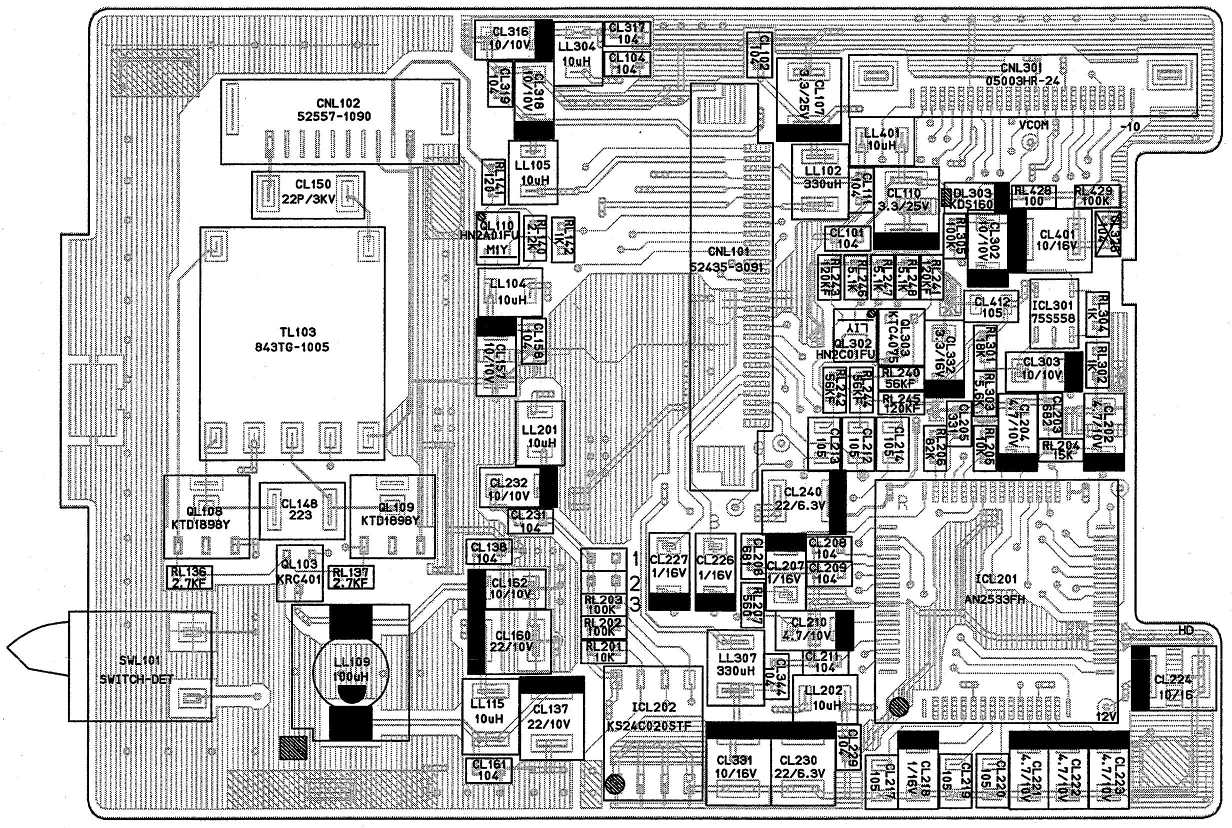

CNE02
52559-2090
PAL
NTSC
RE20
10K
RE19
10K
RE07
1K
CE14
1/16V
CE04
102
ICE01
MCVVQ111FB
RE05
39K/F
RE06
39K/F
RE17
3.3K
CE19
104
CE13
473
RE01
68K/F
CE12
104
RE02
6.8K/F
CE02
104
RE29
12K
CE01
10/10V
CE03
104
CE08
104
RE16
10K
CE11
104

(Component Side)

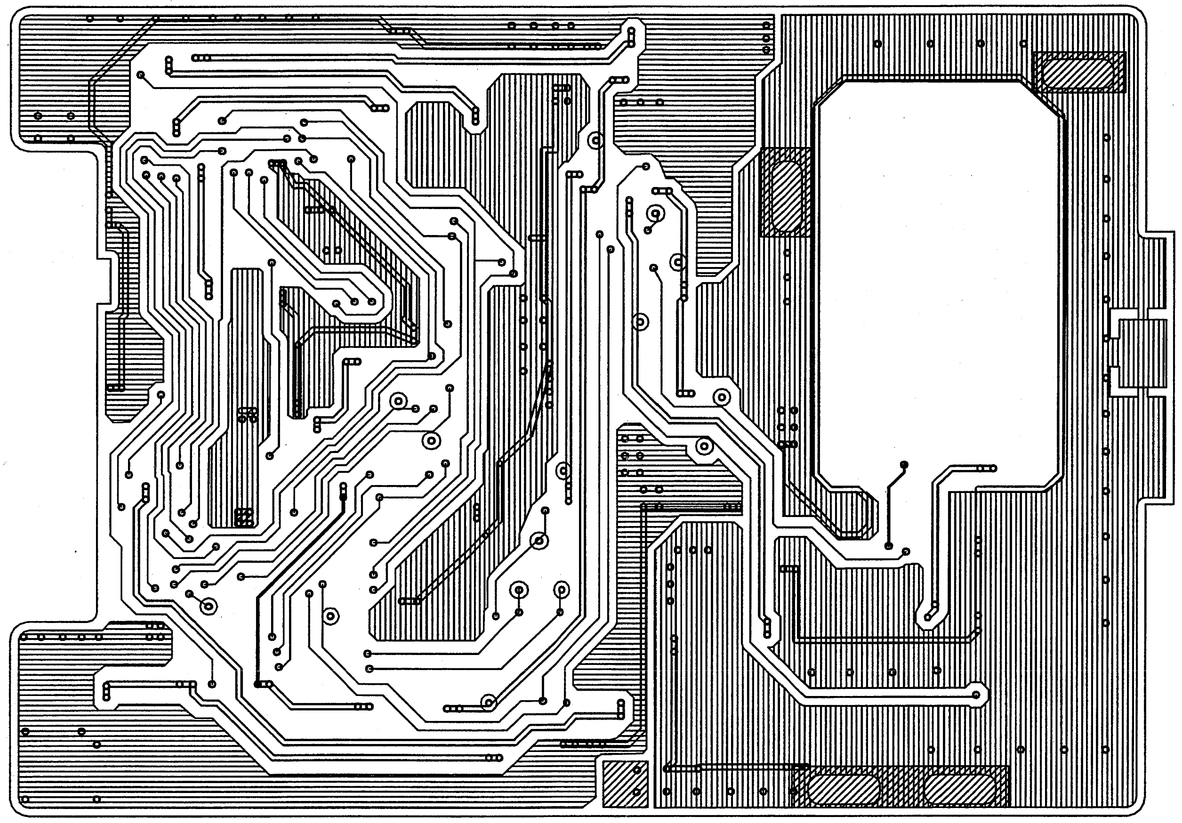

CE15
1/16V
CE16
10/10V
CE17
104
1
2
3
VRE02
10K
CE18
104
LE03
33UH
RE22
68/F
CNE01
53261-0590
CNE03
53398-0290
CE10
104
CE07
10/10V
RE08
120
RE24
4.7K
1DY
QE02
HN1B04FU
RE21
12K
LE01
33UH
CE05
10/16V
RE25
47K

(Conductor Side)

7-5 LCD

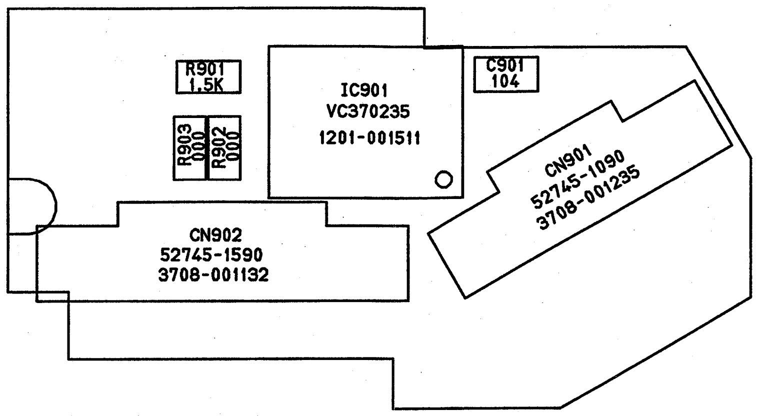

CL316 10/10V
LL304 10uH
CL317 104
CL104 104
CL319 104
CL318 10/10V
CL102 104
CL107 3.3/25V
CNL301 05003HR-24
VCOM
-10
CNL102 52557-1090
CL150 22P/3KV
RL141 120
LL105 10uH
LL401 10uH
LL102 330uH
CL111 104
CL110 3.3/25V
DL303 KDS160
RL428 100
RL429 100K
CL328 104
QL110 HN2A01FU M1Y
RL140 2.2K
RL142 1K
CNL101 52435-3091
CL101 104
RL305 100K
CL302 10/10V
CL401 10/16V
RL243 120KF
RL246 5.1K
RL247 5.1K
RL248 5.1K
RL241 120KF
LL104 10uH
CL412 105
ICL301 75S558
RL304 1K
TL103 843TG-1005
CL157 10/10V
CL158 104
LIY
QL302 HN2C01FU
QL303 KTC4075
CL332 3.3/16V
RL301 18K
CL303 10/10V
RL302 1K
RL242 56KF
RL244 56KF
RL240 56KF
RL245 120KF
RL303 5.6K
CL205 331
CL204 4.7/10V
CL203 682
CL202 4.7/10V
LL201 10uH
CL213 105
CL212 105
CL214 105
RL206 82K
RL205 10K
RL204 15K
CL232 10/10V
CL240 22/6.3V
R
QL108 KTD1898Y
CL148 223
QL109 KTD1898Y
CL231 104
CL138 104
1
2
3
CL227 1/16V
CL226 1/16V
CL206 681
CL207 1/16V
CL208 104
CL209 104
RL136 2.7KF
QL103 KRC401
RL137 2.7KF
CL162 10/10V
RL203 100K
RL207 560
ICL201 AN2533FH
CL160 22/10V
RL202 100K
RL201 10K
CL210 4.7/10V
HD
SWL101 SWITCH-DET
LL109 100uH
LL307 330uH
CL344 104
CL211 104
CL224 10/16
LL115 10uH
CL137 22/10V
ICL202 KS24C020STF
LL202 10uH
12V
CL161 104
CL331 10/16V
CL230 22/6.3V
CL229 104
CL217 105
CL218 1/16V
CL219 105
CL220 105
CL221 4.7/10V
CL222 4.7/10V
CL223 4.7/10V

(Component Side)



(Conductor Side)

7-6 PRE AMP


R901
1.5K
R903
000
R902
000
IC901
VC370235
1201-001511
C901
104
CN901
52745-1090
3708-001235
CN902
52745-1590
3708-001132

(Component Side)

8. Schematic Diagrams

Page

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8-7 Codec ---------------------------------- 8-8

8-8 Rrear ---------------------------------- 8-9

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8-11 IEEE 1394 ---------------------------------- 8-12

8-12 Main-Micom ---------------------------------- 8-13

8-13 Prml ---------------------------------- 8-14

8-14 Servo ---------------------------------- 8-15

8-15 Timer-Micom ---------------------------------- 8-16

8-16 Video ---------------------------------- 8-17

8-17 LCD ---------------------------------- 8-18

8-18 Pre Amp ---------------------------------- 8-19

Note

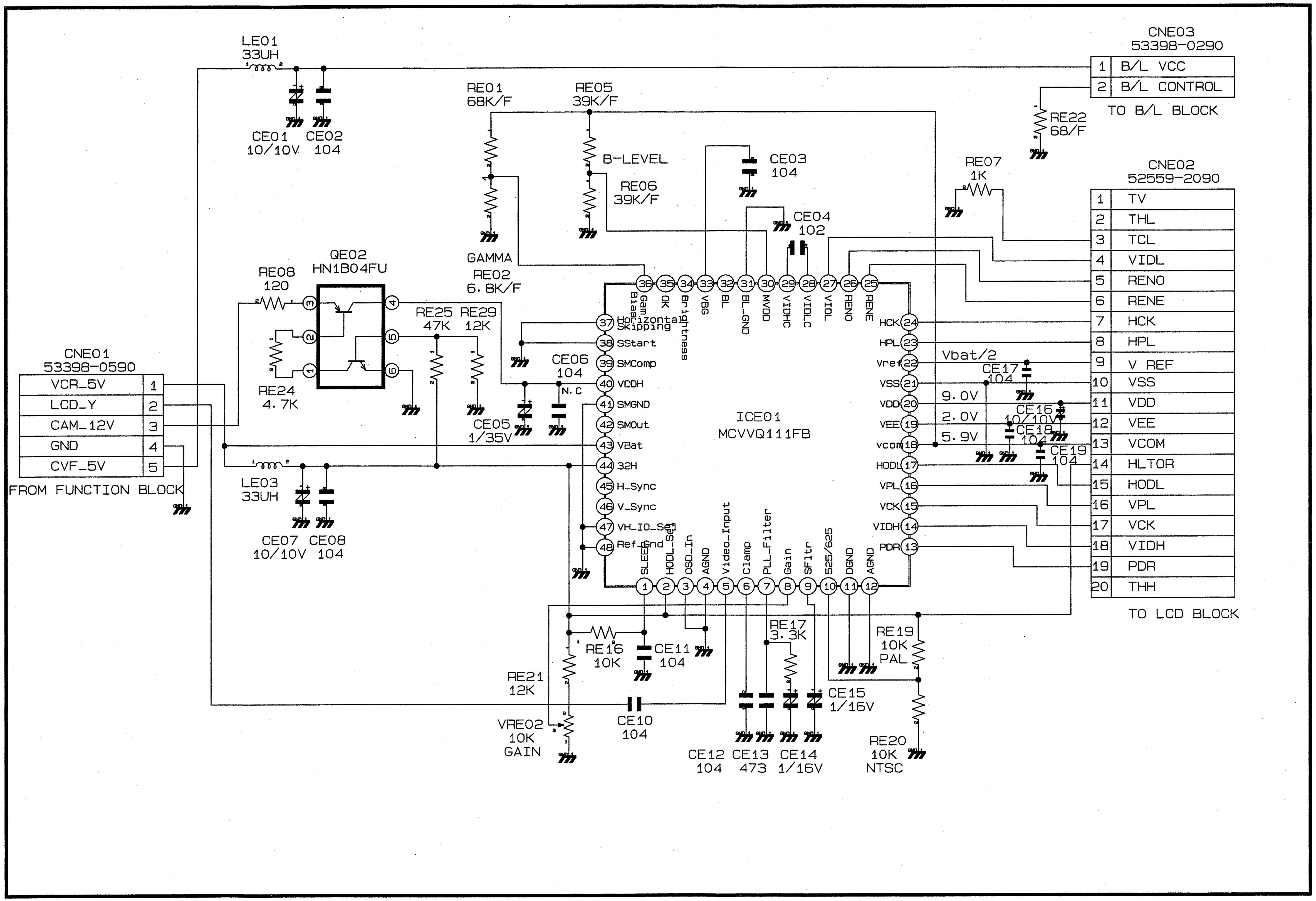
For schematic Diagram
- Resistors are in ohms, 1/8W unless otherwise noted.
- Circled numbers refer to waveforms.

Special note :
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

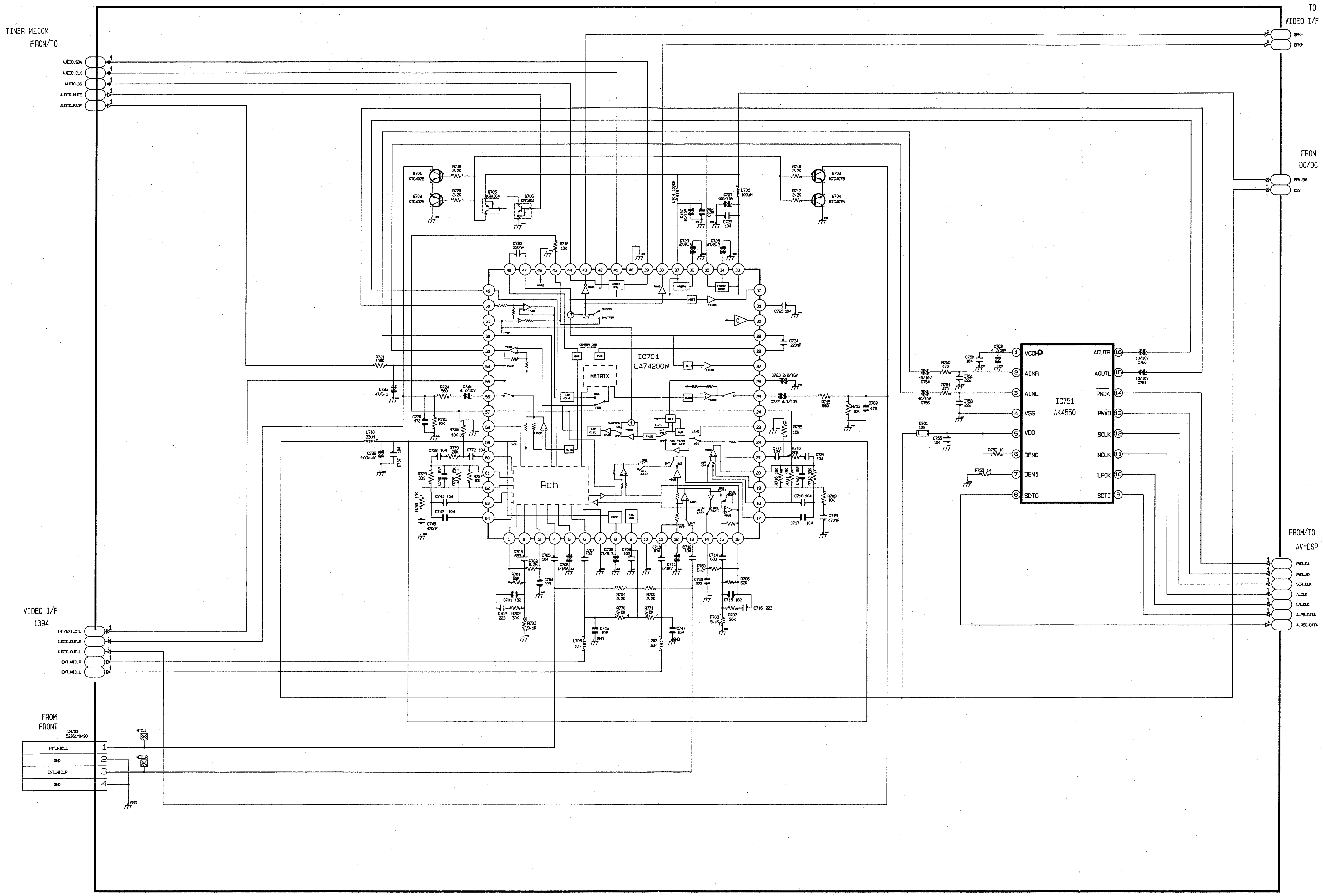
Note :
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :
Components identified with the mark ⚠ have the special characteristics for safety. When replacing any of these components. Use only the same type.

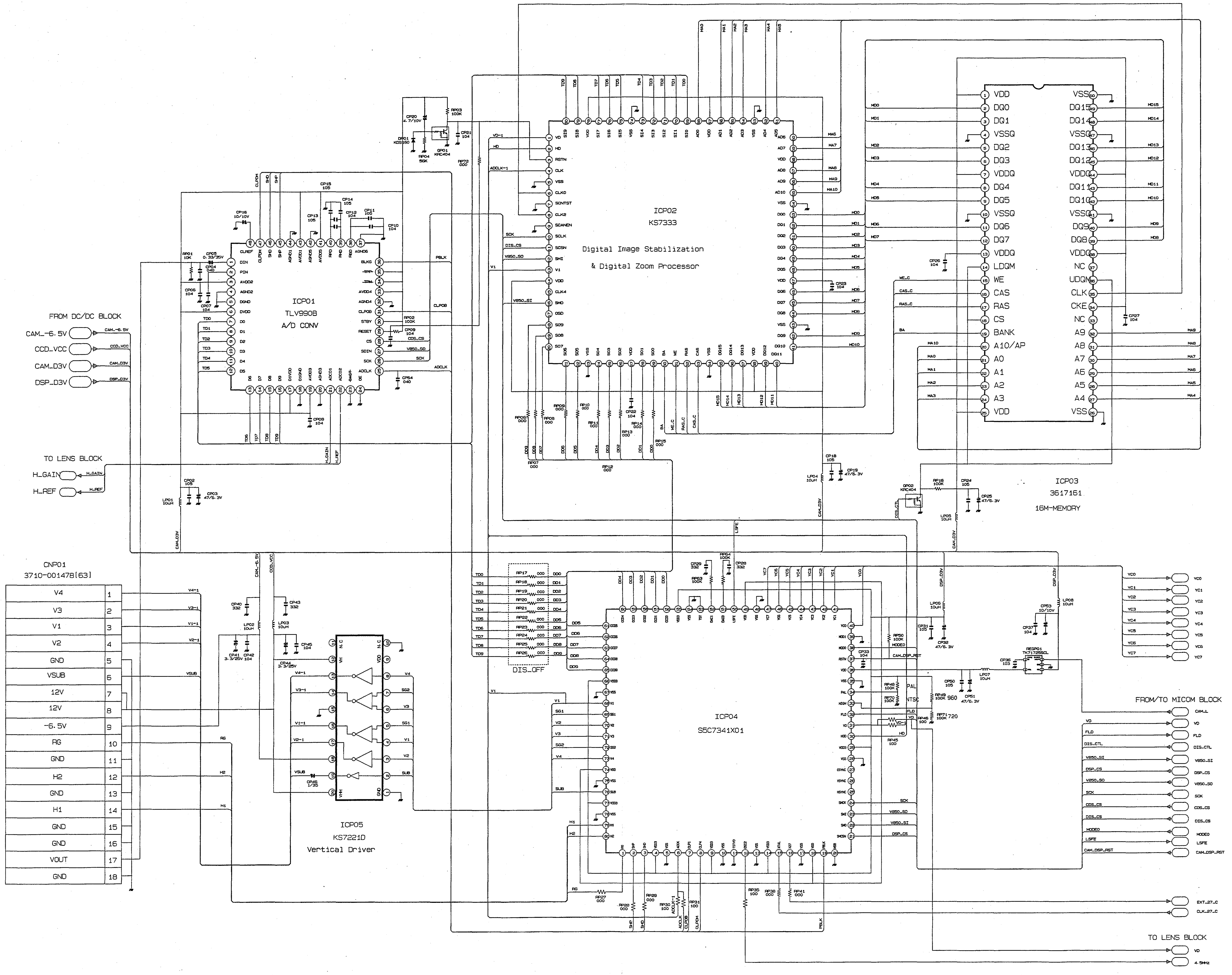
8-1 EVF


LE01
33UH
CE01
10/10V
CE02
104
RE01
68K/F
RE05
39K/F
B-LEVEL
RE06
39K/F
GAMMA
RE02
6.8K/F
CE03
104
CE04
102
CNE03
53398-0290
1 B/L VCC
2 B/L CONTROL
TO B/L BLOCK
RE22
68/F
RE07
1K
CNE02
52559-2090
1 TV
2 THL
3 TCL
4 VIDL
5 RENO
6 RENE
7 HCK
8 HPL
9 V REF
10 VSS
11 VDD
12 VEE
13 VCOM
14 HLTOR
15 HODL
16 VPL
17 VCK
18 VIDH
19 PDR
20 THH
TO LCD BLOCK
QE02
HN1B04FU
RE08
120
RE24
4.7K
RE25
47K
RE29
12K
CE06
104
N.C
CE05
1/35V
CNE01
53398-0590
VCR_5V 1
LCD_Y 2
CAM_12V 3
GND 4
CVF_5V 5
FROM FUNCTION BLOCK
LE03
33UH
CE07
10/10V
CE08
104
ICE01
MCVVQ111FB
36 Gamma Bias
35 OK
34 Brightness
33 VBG
32 BL
31 BL_GND
30 MVDD
29 VIDHC
28 VIDLC
27 VIDL
26 RENO
25 RENE
37 Horizontal Skipping
38 SStart
39 SMComp
40 VDDH
41 SMGND
42 SMOut
43 VBat
44 32H
45 H_Sync
46 V_Sync
47 VH_IO_Sel
48 Ref_Gnd
HCK 24
HPL 23
Vref 22
VSS 21
VDD 20
VEE 19
vcom 18
HODL 17
VPL 16
VCK 15
VIDH 14
PDR 13
Vbat/2
CE17
104
9.0V
2.0V
5.9V
CE16
10/10V
CE18
104
CE19
104
1 SLEEP
2 HODL_Sel
3 OSD_In
4 AGND
5 Video_Input
6 Clamp
7 PLL_Filter
8 Gain
9 SFltr
10 525/625
11 DGND
12 AGND
RE16
10K
CE11
104
RE21
12K
VRE02
10K
GAIN
CE10
104
RE17
3.3K
CE12
104
CE13
473
CE14
1/16V
CE15
1/16V
RE19
10K
PAL
RE20
10K
NTSC

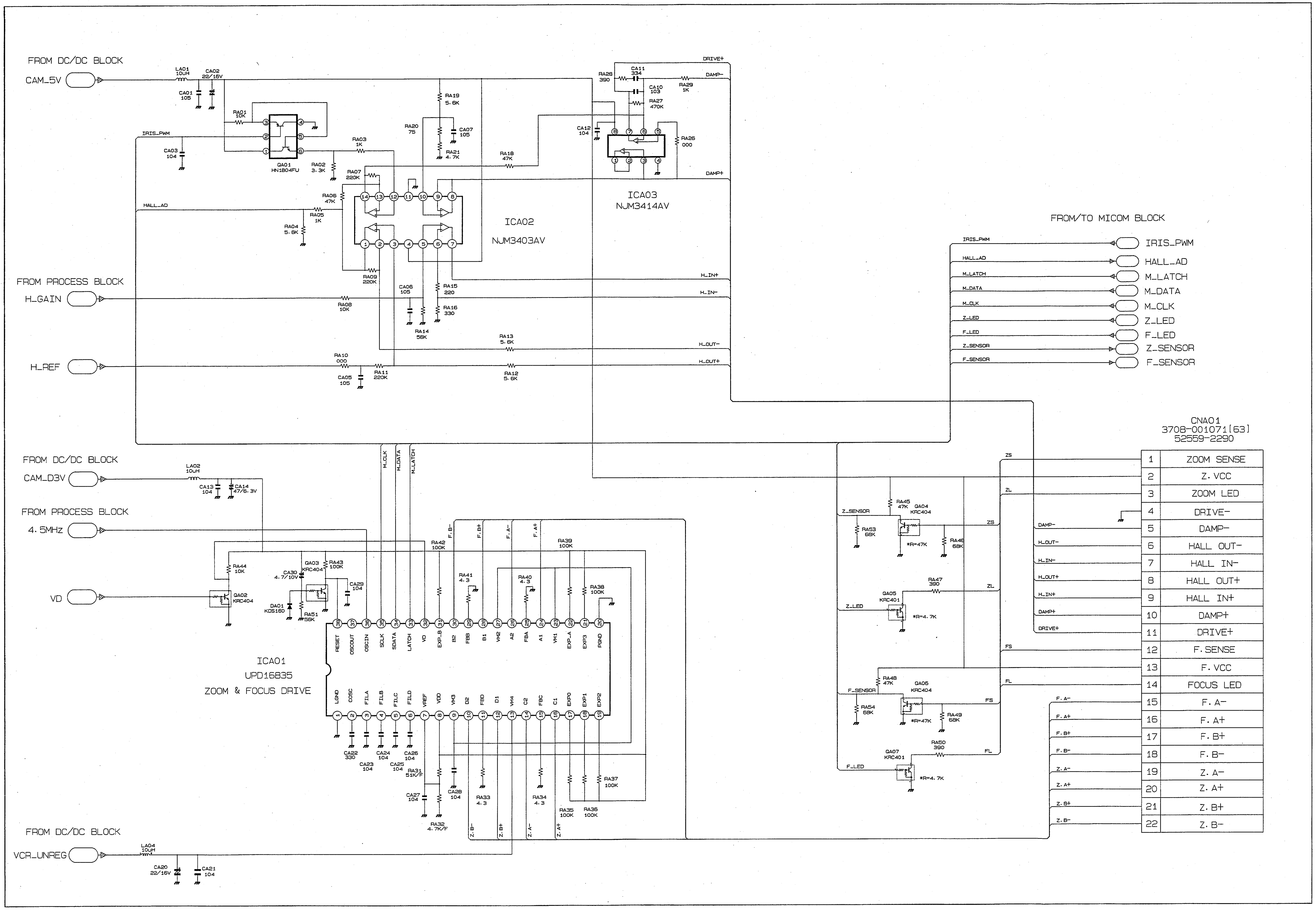
8-2 Audio


TIMER MICOM
FROM/TO
AUDIO_SDA
AUDIO_CLK
AUDIO_CS
AUDIO_MUTE
AUDIO_FADE
TO
VIDEO I/F
SPK-
SPK+
FROM
DC/DC
SPK_5V
D3V
IC701
LA74200W
MATRIX
Rch
Q701 KTC4075
Q702 KTC4075
Q703 KTC4075
Q704 KTC4075
Q705 KRA304
Q706 KRC404
IC751
AK4550
VCOM
AINR
AINL
VSS
VDD
DEM0
DEM1
SDTO
AOUTR
AOUTL
PWDA
PWAD
SCLK
MCLK
LRCK
SDTI
C752 4.7/10V
C750 104
R750 470
C754 10/10V
C751 222
R751 470
C756 10/10V
C753 222
B701 102
C755 104
R752 10
R753 1K
C760 10/10V
C761 10/10V
C769 472
FROM/TO
AV-DSP
PWD_DA
PWD_AD
SER_CLK
A_CLK
LR_CLK
A_PB_DATA
A_REC_DATA
VIDEO I/F
1394
INT/EXT_CTL
AUDIO_OUT_R
AUDIO_OUT_L
EXT_MIC_R
EXT_MIC_L
FROM
FRONT
CN701
52361-0490
INT_MIC_L
GND
INT_MIC_R
GND
MIC_L
MIC_R
GND

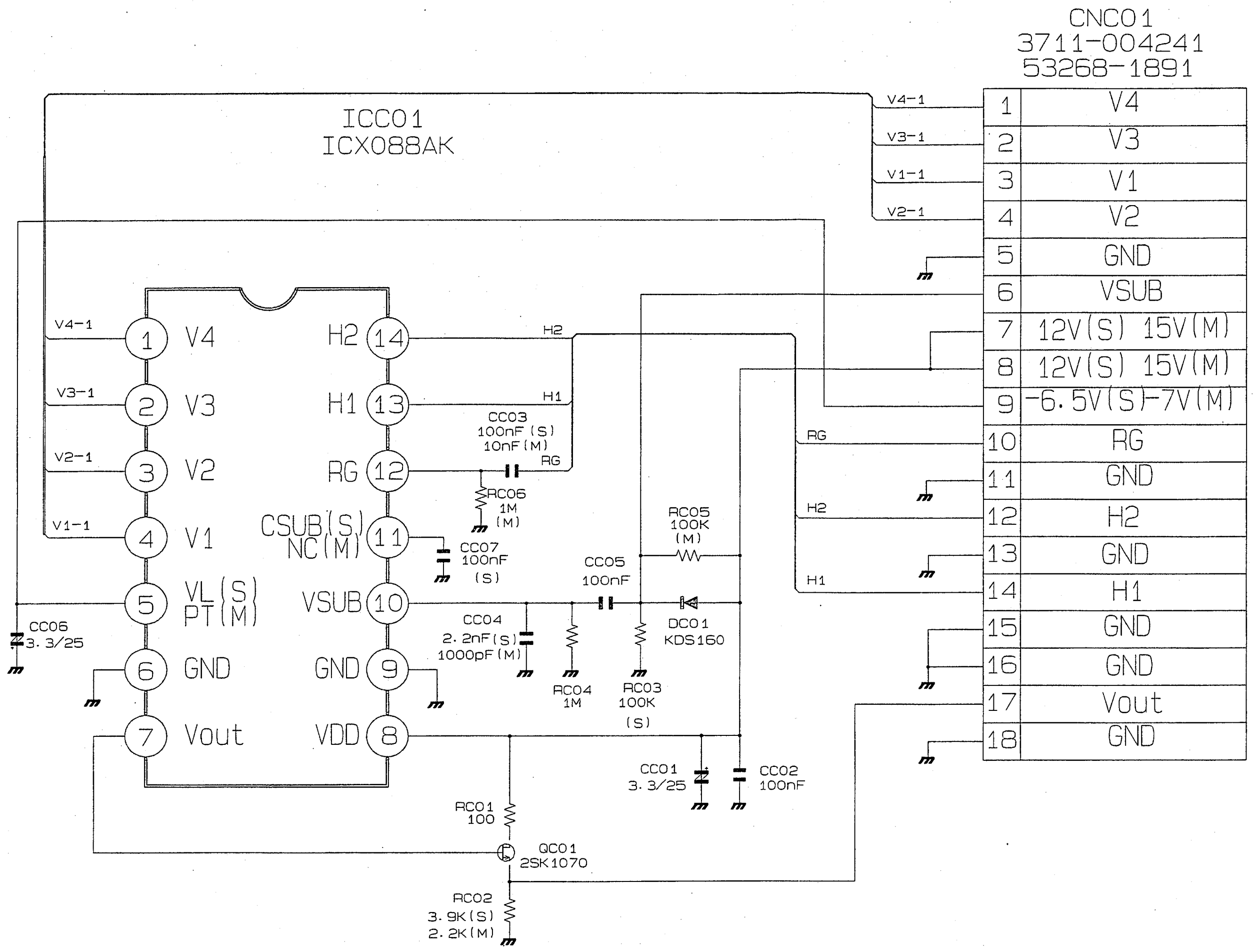
8-3 Camera


FROM DC/DC BLOCK
CAM_-6.5V
CCD_VCC
CAM_D3V
DSP_D3V
TO LENS BLOCK
H_GAIN
H_REF
ICP01
TLV990B
A/D CONV
ICP02
KS7333
Digital Image Stabilization
& Digital Zoom Processor
ICP03
3517161
16M-MEMORY
VDD
DQ0
DQ1
VSSQ
DQ2
DQ3
VDDQ
DQ4
DQ5
VSSQ
DQ6
DQ7
VDDQ
LDQM
WE
CAS
RAS
CS
BANK
A10/AP
A0
A1
A2
A3
VDD
VSS
DQ15
DQ14
VSSQ
DQ13
DQ12
VDDQ
DQ11
DQ10
VSSQ
DQ9
DQ8
VDDQ
NC
UDQM
CLK
CKE
NC
A9
A8
A7
A6
A5
A4
VSS
CNP01
3710-001478[63]
V4 1
V3 2
V1 3
V2 4
GND 5
VSUB 6
12V 7
12V 8
-6.5V 9
RG 10
GND 11
H2 12
GND 13
H1 14
GND 15
GND 16
VOUT 17
GND 18
DIS_OFF
ICP04
S5C7341X01
ICP05
KS7221D
Vertical Driver
PAL
NTSC
960
720
FROM/TO MICOM BLOCK
CAM_L
VD
FLD
DIS_CTL
VBS0_SI
DSP_CS
VBS0_SO
SCK
CDS_CS
DIS_CS
MODE0
LSFE
CAM_DSP_RST
EXT_27_C
CLK_27_C
TO LENS BLOCK
VD
4.5MHz
YC0
YC1
YC2
YC3
YC4
YC5
YC6
YC7

8-4 Camera A/F


FROM DC/DC BLOCK
CAM_5V
LA01 10UH
CA02 22/16V
CA01 105
RA01 10K
IRIS_PWM
CA03 104
QA01 HN1B04FU
RA02 3.3K
RA03 1K
RA07 220K
RA06 47K
RA05 1K
RA04 5.6K
HALL_AD
RA19 5.6K
RA20 75
CA07 105
RA21 4.7K
RA18 47K
ICA02
NJM3403AV
RA09 220K
CA06 105
RA15 220
RA16 330
RA14 56K
RA08 10K
FROM PROCESS BLOCK
H_GAIN
H_REF
RA10 000
CA05 105
RA11 220K
RA13 5.6K
RA12 5.6K
H_IN+
H_IN-
H_OUT-
H_OUT+
RA28 390
CA11 334
CA10 103
RA27 470K
RA29 1K
CA12 104
RA26 000
DRIVE+
DAMP-
DAMP+
ICA03
NJM3414AV
FROM/TO MICOM BLOCK
IRIS_PWM
HALL_AD
M_LATCH
M_DATA
M_CLK
Z_LED
F_LED
Z_SENSOR
F_SENSOR
FROM DC/DC BLOCK
CAM_D3V
LA02 10UH
CA13 104
CA14 47/6.3V
FROM PROCESS BLOCK
4.5MHz
VD
RA44 10K
QA02 KRC404
QA03 KRC404
CA30 4.7/10V
RA43 100K
CA29 104
DA01 KDS160
RA51 56K
M_CLK
M_DATA
M_LATCH
RA42 100K
F.B-
F.B+
F.A-
F.A+
RA41 4.3
RA40 4.3
RA39 100K
RA38 100K
ICA01
UPD16835
ZOOM & FOCUS DRIVE
RESET
OSCOUT
OSCIN
SCLK
SDATA
LATCH
VD
EXP-B
B2
FBB
B1
VM2
A2
FBA
A1
VM1
EXP-A
EXP3
PGND
LGND
COSC
FILA
FILB
FILC
FILD
VREF
VDD
VM3
D2
FBD
D1
VM4
C2
FBC
C1
EXP0
EXP1
EXP2
CA22 330
CA23 104
CA24 104
CA25 104
CA26 104
RA31 51K/F
CA27 104
CA28 104
RA32 4.7K/F
RA33 4.3
RA34 4.3
RA35 100K
RA36 100K
RA37 100K
Z.B-
Z.B+
Z.A-
Z.A+
FROM DC/DC BLOCK
VCR_UNREG
LA04 10UH
CA20 22/16V
CA21 104
Z_SENSOR
RA45 47K
QA04 KRC404
RA53 68K
*R=47K
RA46 68K
RA47 390
QA05 KRC401
Z_LED
*R=4.7K
F_SENSOR
RA48 47K
QA06 KRC404
RA54 68K
*R=47K
RA49 68K
RA50 390
QA07 KRC401
F_LED
*R=4.7K
ZS
ZL
FS
FL
DAMP-
H_OUT-
H_IN-
H_OUT+
H_IN+
DAMP+
DRIVE+
F.A-
F.A+
F.B+
F.B-
Z.A-
Z.A+
Z.B+
Z.B-
CNA01
3708-001071[63]
52559-2290
1 ZOOM SENSE
2 Z.VCC
3 ZOOM LED
4 DRIVE-
5 DAMP-
6 HALL OUT-
7 HALL IN-
8 HALL OUT+
9 HALL IN+
10 DAMP+
11 DRIVE+
12 F.SENSE
13 F.VCC
14 FOCUS LED
15 F.A-
16 F.A+
17 F.B+
18 F.B-
19 Z.A-
20 Z.A+
21 Z.B+
22 Z.B-

8-5 CCD


CNC01
3711-004241
53268-1891
ICC01
ICX088AK
1 V4
2 V3
3 V1
4 V2
5 GND
6 VSUB
7 12V(S) 15V(M)
8 12V(S) 15V(M)
9 -6.5V(S)-7V(M)
10 RG
11 GND
12 H2
13 GND
14 H1
15 GND
16 GND
17 Vout
18 GND
V4-1
V3-1
V1-1
V2-1
1 V4
2 V3
3 V2
4 V1
5 VL(S) PT(M)
6 GND
7 Vout
H2 14
H1 13
RG 12
CSUB(S) NC(M) 11
VSUB 10
GND 9
VDD 8
H2
H1
RG
CC03 100nF(S) 10nF(M)
RC06 1M (M)
CC07 100nF (S)
RC05 100K (M)
CC05 100nF
CC04 2.2nF(S) 1000pF(M)
DC01 KDS160
RC04 1M
RC03 100K (S)
CC06 3.3/25
CC01 3.3/25
CC02 100nF
RC01 100
QC01 2SK1070
RC02 3.9K(S) 2.2K(M)

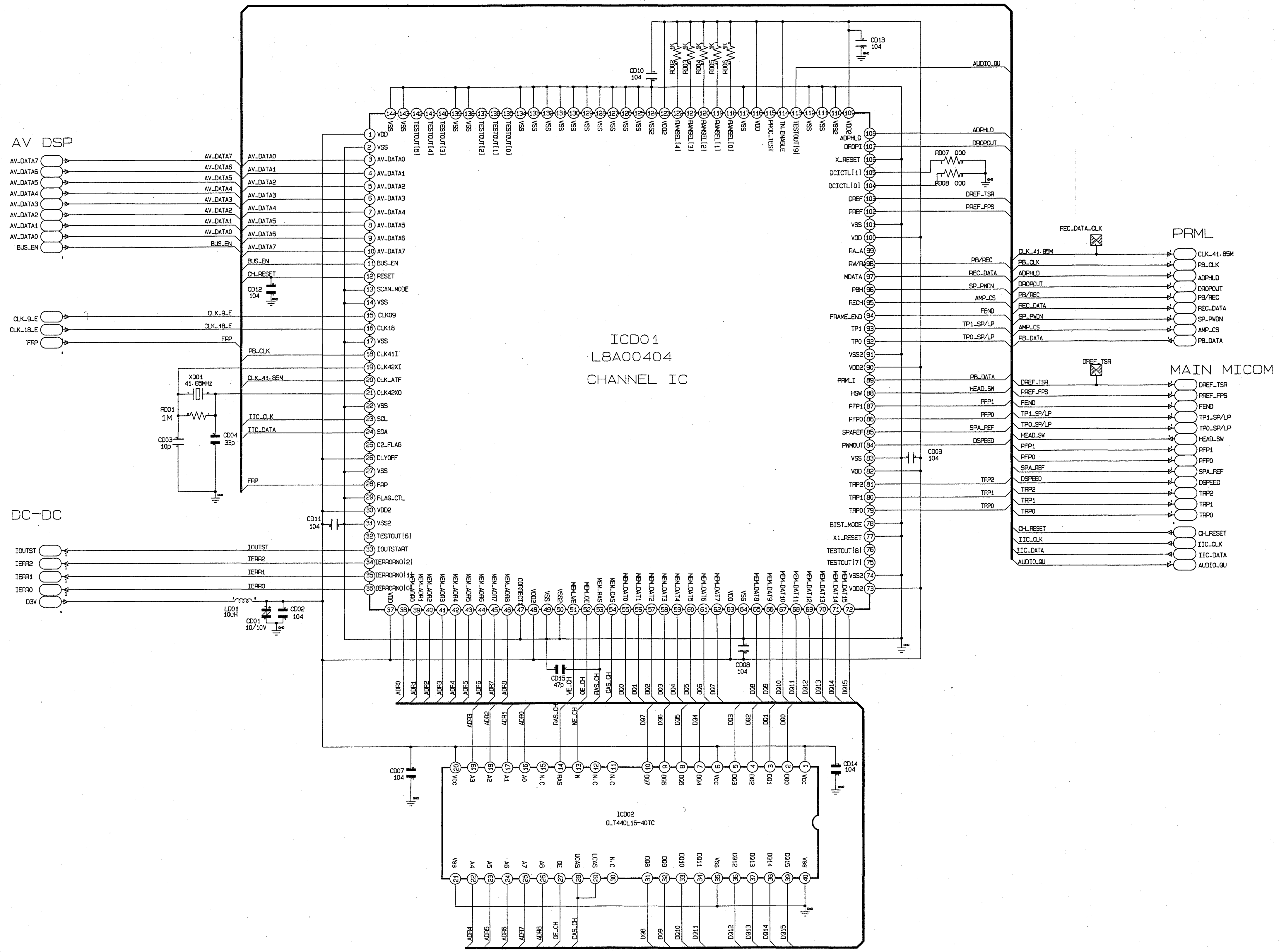
CAPACITY

	SONY (ICX088AK)	MATHUSHIDA (MN39230FH)
RC02	3.9K	2.2K
CC03	100nF	10nF
CC04	2.2nF	1000pF

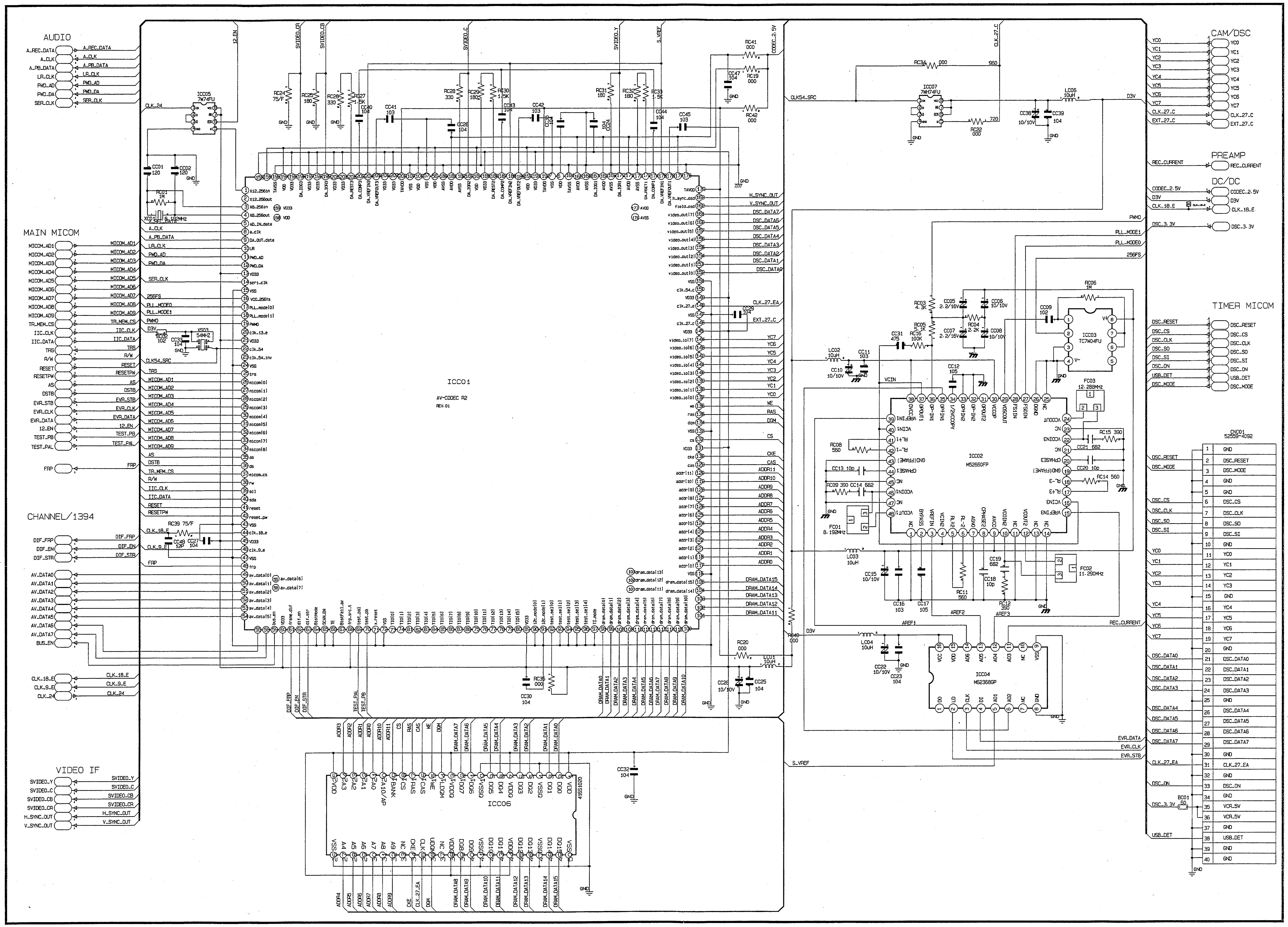
SMT

	SONY	MATHUSHIDA	
RC03	O	X	(100K)
RC05	X	O	(100K)
RC06	X	O	(1M)
CC07	O	X	(100nF)

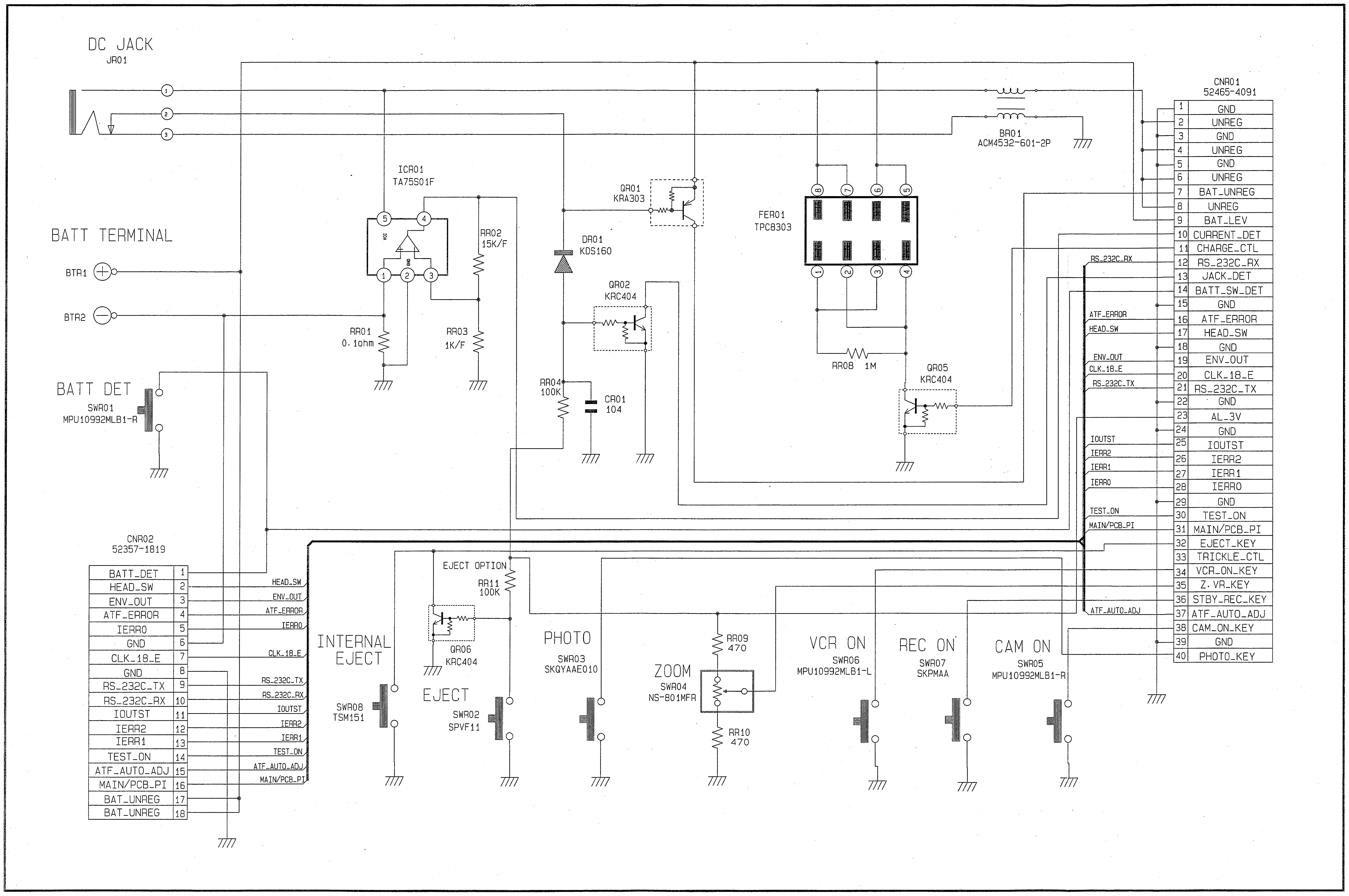
8-6 Channel


AV DSP
AV_DATA7
AV_DATA6
AV_DATA5
AV_DATA4
AV_DATA3
AV_DATA2
AV_DATA1
AV_DATA0
BUS_EN
CLK_9_E
CLK_18_E
FRP
DC-DC
IOUTST
IERR2
IERR1
IERR0
D3V
ICD01
L8A00404
CHANNEL IC
ICD02
GLT440L16-40TC
XD01
41.85MHz
RD01
1M
CD03
10p
CD04
33p
CD12
104
CD11
104
LD01
10uH
CD01
10/10V
CD02
104
CD07
104
CD08
104
CD09
104
CD10
104
CD13
104
CD14
104
CD15
47p
RD07 000
RD08 000
PRML
CLK_41.85M
PB_CLK
ADPHLD
DROPOUT
PB/REC
REC_DATA
SP_PWON
AMP_CS
PB_DATA
REC_DATA_CLK
MAIN MICOM
DREF_TSR
DREF_FPS
FEND
TP1_SP/LP
TP0_SP/LP
HEAD_SW
PFP1
PFP0
SPA_REF
DSPEED
TRP2
TRP1
TRP0
CH_RESET
IIC_CLK
IIC_DATA
AUDIO_GU
ADR0
ADR1
ADR2
ADR3
ADR4
ADR5
ADR6
ADR7
ADR8
WE_CH
OE_CH
RAS_CH
CAS_CH
DD0
DD1
DD2
DD3
DD4
DD5
DD6
DD7
DD8
DD9
DD10
DD11
DD12
DD13
DD14
DD15

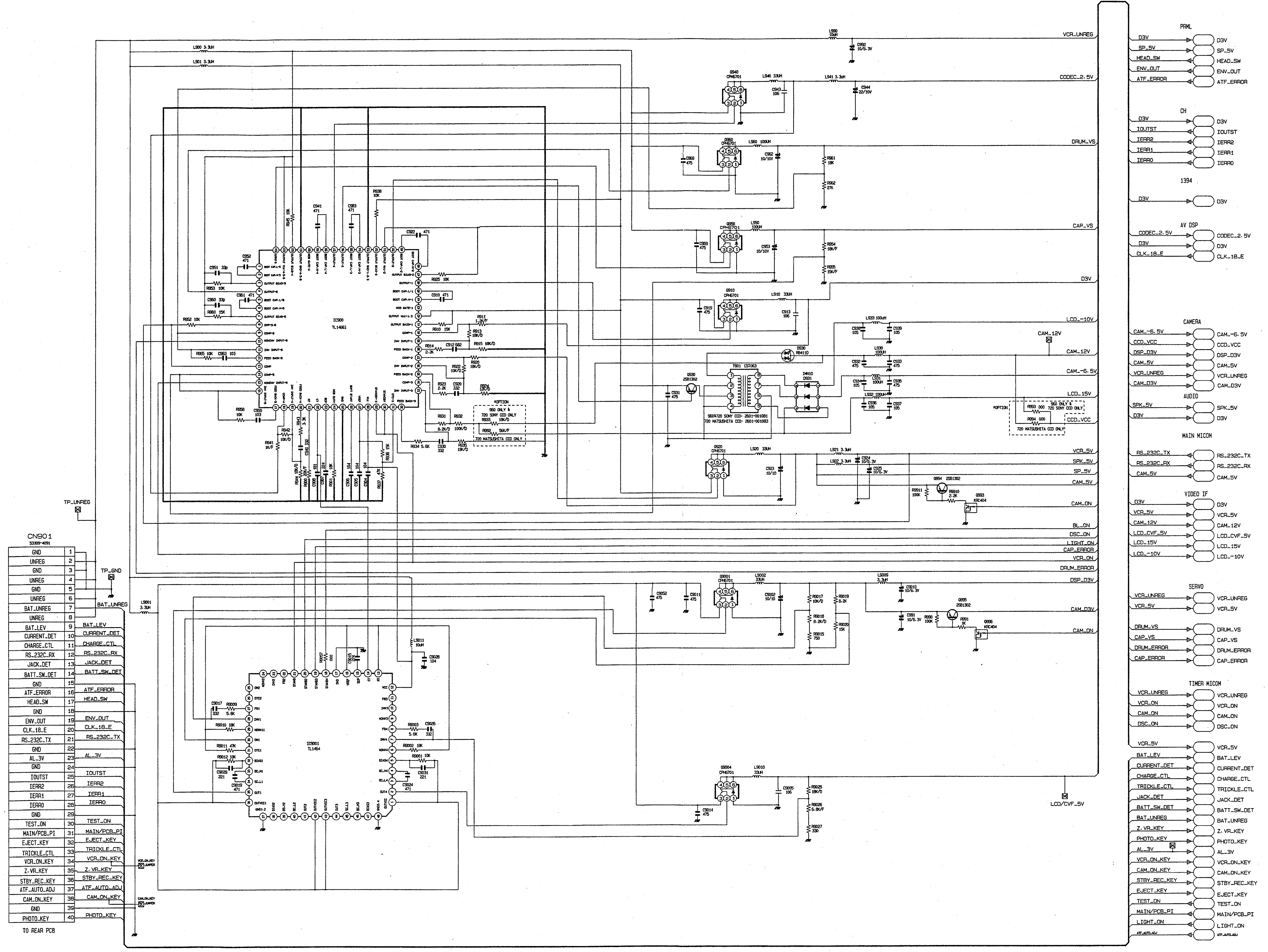
8-7 Codec


AUDIO
A_REC_DATA
A_CLK
A_PB_DATA
LR_CLK
PWD_AD
PWD_DA
SER_CLK
MAIN MICOM
MICOM_AD1
MICOM_AD2
MICOM_AD3
MICOM_AD4
MICOM_AD5
MICOM_AD6
MICOM_AD7
MICOM_AD8
MICOM_AD9
TR_MEM_CS
IIC_CLK
IIC_DATA
TRS
R/W
RESET
RESETPW
AS
DSTB
EVR_STB
EVR_CLK
EVR_DATA
12_EN
TEST_PB
TEST_PAL
FRP
CHANNEL/1394
DIF_FRP
DIF_EN
DIF_STR
AV_DATA0
AV_DATA1
AV_DATA2
AV_DATA3
AV_DATA4
AV_DATA5
AV_DATA6
AV_DATA7
BUS_EN
CLK_18_E
CLK_9_E
CLK_24
VIDEO IF
SVIDEO_Y
SVIDEO_C
SVIDEO_CB
SVIDEO_CR
H_SYNC_OUT
V_SYNC_OUT
ICC05 7W74FU
ICC01
AV-CODEC R2
REV.01
ICC06
ICC07 7WH74FU
ICC02 M52660FP
ICC03 TC7W04FU
ICC04 M62368GP
XC01 8.192MHz
FC01 8.192MHz
FC02 11.2896MHz
FC03 12.288MHz
CAM/DSC
YC0
YC1
YC2
YC3
YC4
YC5
YC6
YC7
CLK_27_C
EXT_27_C
PREAMP
REC_CURRENT
DC/DC
CODEC_2.5V
D3V
CLK_18_E
DSC_3.3V
TIMER MICOM
DSC_RESET
DSC_CS
DSC_CLK
DSC_SO
DSC_SI
DSC_ON
USB_DET
DSC_MODE
CNC01 52559-4092
S_VREF
CLK54_SRC
GND

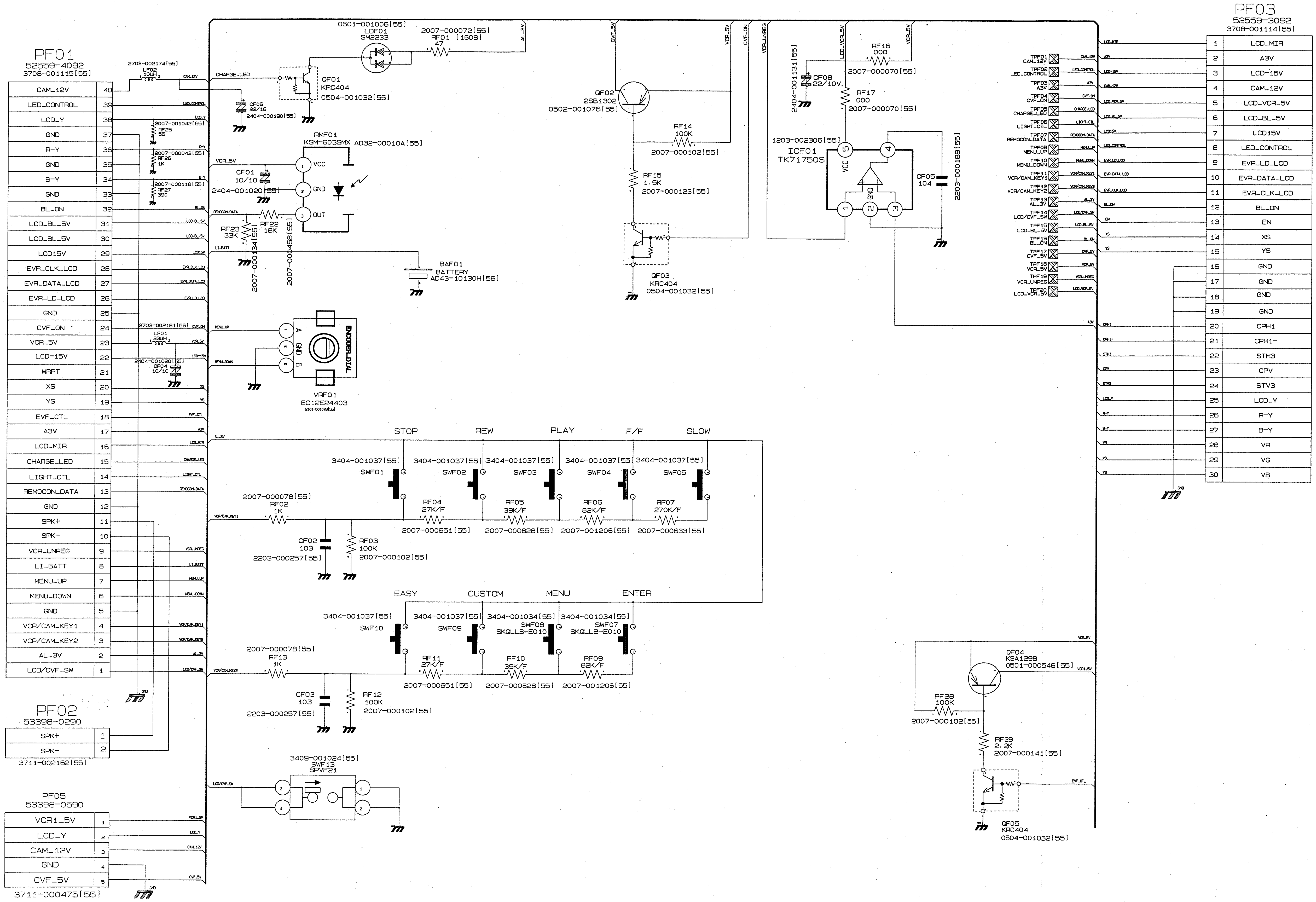
8-8 Rear


DC JACK
JR01
BATT TERMINAL
BTR1
BTR2
BATT DET
SWR01
MPU10992MLB1-R
ICR01
TA75S01F
RR01
0.1ohm
RR02
15K/F
RR03
1K/F
DR01
KDS160
RR04
100K
CR01
104
QR01
KRA303
QR02
KRC404
FER01
TPC8303
RR08 1M
QR05
KRC404
BR01
ACM4532-601-2P
CNR01
52465-4091
1 GND
2 UNREG
3 GND
4 UNREG
5 GND
6 UNREG
7 BAT_UNREG
8 UNREG
9 BAT_LEV
10 CURRENT_DET
11 CHARGE_CTL
12 RS_232C_RX
13 JACK_DET
14 BATT_SW_DET
15 GND
16 ATF_ERROR
17 HEAD_SW
18 GND
19 ENV_OUT
20 CLK_18_E
21 RS_232C_TX
22 GND
23 AL_3V
24 GND
25 IOUTST
26 IERR2
27 IERR1
28 IERR0
29 GND
30 TEST_ON
31 MAIN/PCB_PI
32 EJECT_KEY
33 TRICKLE_CTL
34 VCR_ON_KEY
35 Z.VR_KEY
36 STBY_REC_KEY
37 ATF_AUTO_ADJ
38 CAM_ON_KEY
39 GND
40 PHOTO_KEY
RS_232C_RX
ATF_ERROR
HEAD_SW
ENV_OUT
CLK_18_E
RS_232C_TX
IOUTST
IERR2
IERR1
IERR0
TEST_ON
MAIN/PCB_PI
ATF_AUTO_ADJ
CNR02
52357-1819
BATT_DET 1
HEAD_SW 2
ENV_OUT 3
ATF_ERROR 4
IERR0 5
GND 6
CLK_18_E 7
GND 8
RS_232C_TX 9
RS_232C_RX 10
IOUTST 11
IERR2 12
IERR1 13
TEST_ON 14
ATF_AUTO_ADJ 15
MAIN/PCB_PI 16
BAT_UNREG 17
BAT_UNREG 18
HEAD_SW
ENV_OUT
ATF_ERROR
IERR0
CLK_18_E
RS_232C_TX
RS_232C_RX
IOUTST
IERR2
IERR1
TEST_ON
ATF_AUTO_ADJ
MAIN/PCB_PI
EJECT OPTION
RR11
100K
QR06
KRC404
INTERNAL
EJECT
SWR08
TSM151
EJECT
SWR02
SPVF11
PHOTO
SWR03
SKQYAAE010
ZOOM
SWR04
NS-801MFR
RR09
470
RR10
470
VCR ON
SWR06
MPU10992MLB1-L
REC ON
SWR07
SKPMAA
CAM ON
SWR05
MPU10992MLB1-R

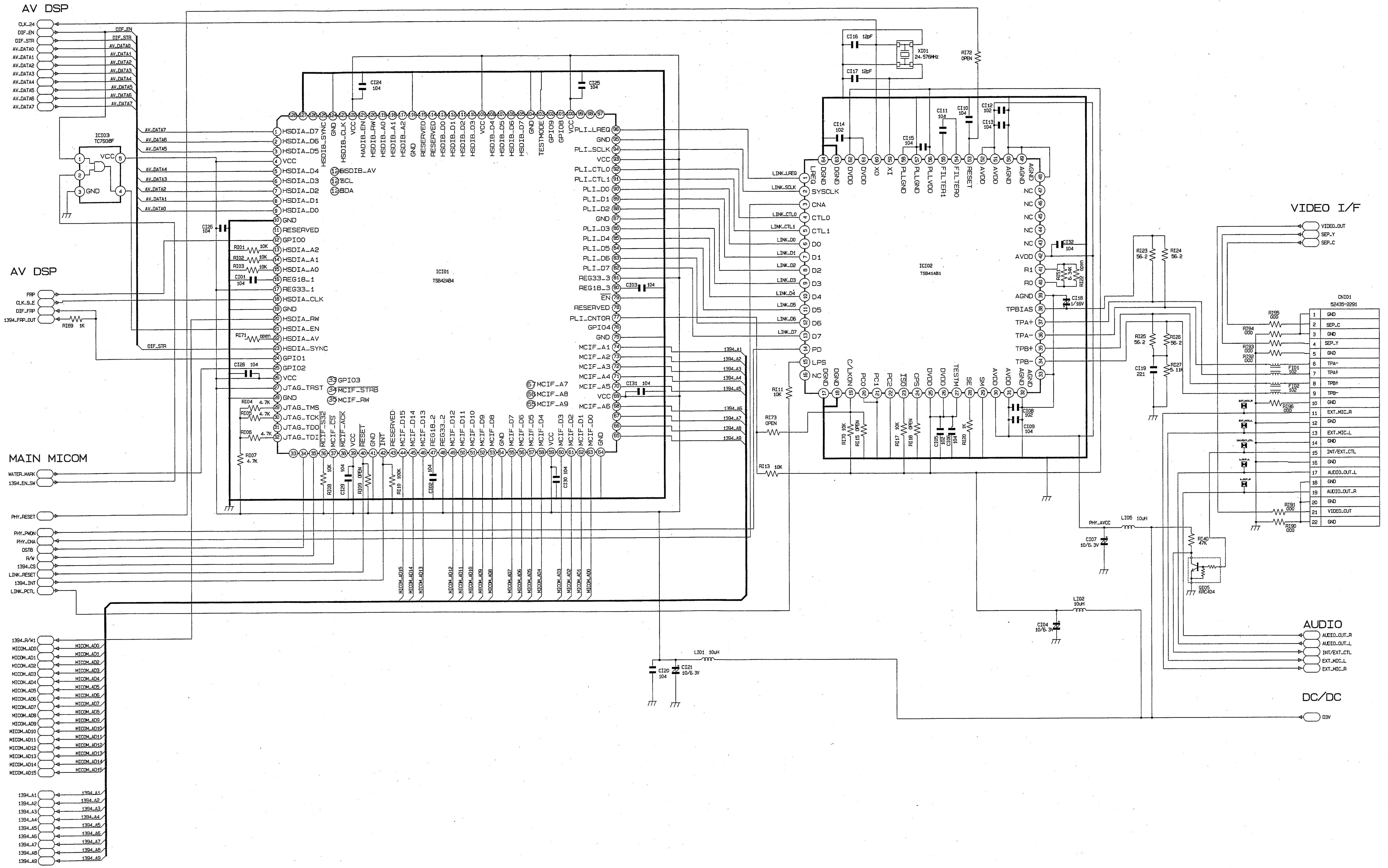
8-9 DC DC


CN901
53309-4091
GND 1
UNREG 2
GND 3
UNREG 4
GND 5
UNREG 6
BAT_UNREG 7
UNREG 8
BAT_LEV 9
CURRENT_DET 10
CHARGE_CTL 11
RS_232C_RX 12
JACK_DET 13
BATT_SW_DET 14
GND 15
ATF_ERROR 16
HEAD_SW 17
GND 18
ENV_OUT 19
CLK_18_E 20
RS_232C_TX 21
GND 22
AL_3V 23
GND 24
IOUTST 25
IERR2 26
IERR1 27
IERR0 28
GND 29
TEST_ON 30
MAIN/PCB_PI 31
EJECT_KEY 32
TRICKLE_CTL 33
VCR_ON_KEY 34
Z_VR_KEY 35
STBY_REC_KEY 36
ATF_AUTO_ADJ 37
CAM_ON_KEY 38
GND 39
PHOTO_KEY 40
TO REAR PCB
TP_UNREG
TP_GND
IC900
TL1465
IC9001
TL1454
VCR_UNREG
CODEC_2.5V
DRUM_VS
CAP_VS
D3V
LCD_-10V
CAM_12V
CAM_-6.5V
LCD_15V
CCD_VCC
VCR_5V
SPK_5V
SP_5V
CAM_5V
CAM_ON
BL_ON
DSC_ON
LIGHT_ON
CAP_ERROR
VCR_ON
DRUM_ERROR
DSP_D3V
CAM_D3V
LCD/CVF_5V
PRML
D3V
SP_5V
HEAD_SW
ENV_OUT
ATF_ERROR
CH
D3V
IOUTST
IERR2
IERR1
IERR0
1394
D3V
AV DSP
CODEC_2.5V
D3V
CLK_18_E
CAMERA
CAM_-6.5V
CCD_VCC
DSP_D3V
CAM_5V
VCR_UNREG
CAM_D3V
AUDIO
SPK_5V
D3V
MAIN MICOM
RS_232C_TX
RS_232C_RX
CAM_5V
VIDEO IF
D3V
VCR_5V
CAM_12V
LCD_CVF_5V
LCD_15V
LCD_-10V
SERVO
VCR_UNREG
VCR_5V
DRUM_VS
CAP_VS
DRUM_ERROR
CAP_ERROR
TIMER MICOM
VCR_UNREG
VCR_ON
CAM_ON
DSC_ON
VCR_5V
BAT_LEV
CURRENT_DET
CHARGE_CTL
TRICKLE_CTL
JACK_DET
BATT_SW_DET
BAT_UNREG
Z_VR_KEY
PHOTO_KEY
AL_3V
VCR_ON_KEY
CAM_ON_KEY
STBY_REC_KEY
EJECT_KEY
TEST_ON
MAIN/PCB_PI
LIGHT_ON
ATF_AUTO_ADJ

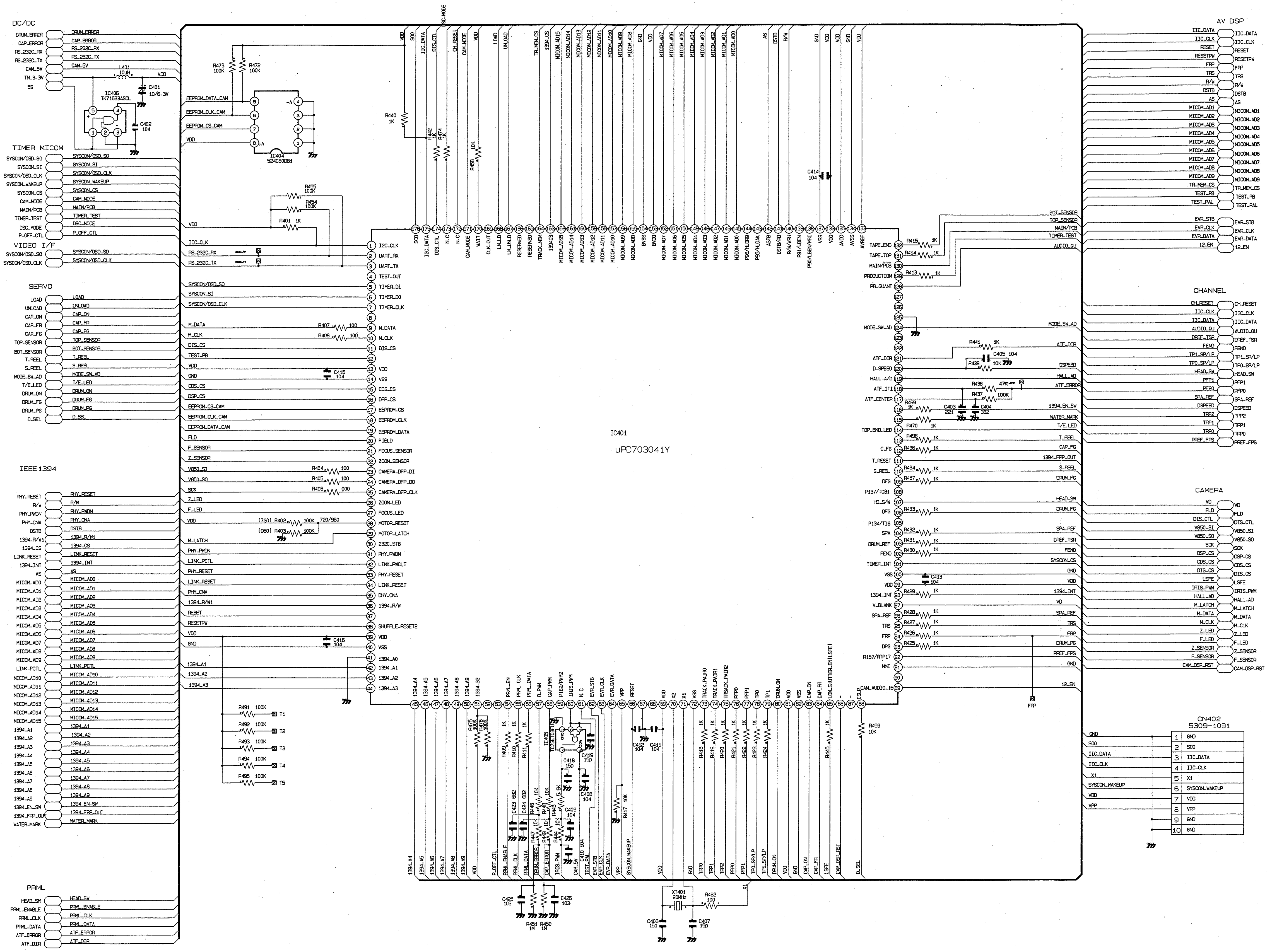
8-10 Function


PF01
52559-4092
3708-001115[55]
CAM_12V 40
LED_CONTROL 39
LCD_Y 38
GND 37
R-Y 36
GND 35
B-Y 34
GND 33
BL_ON 32
LCD_BL_5V 31
LCD_BL_5V 30
LCD15V 29
EVR_CLK_LCD 28
EVR_DATA_LCD 27
EVR_LD_LCD 26
GND 25
CVF_ON 24
VCR_5V 23
LCD-15V 22
WRPT 21
XS 20
YS 19
EVF_CTL 18
A3V 17
LCD_MIR 16
CHARGE_LED 15
LIGHT_CTL 14
REMOCON_DATA 13
GND 12
SPK+ 11
SPK- 10
VCR_UNREG 9
LI_BATT 8
MENU_UP 7
MENU_DOWN 6
GND 5
VCR/CAM_KEY1 4
VCR/CAM_KEY2 3
AL_3V 2
LCD/CVF_SW 1
PF02
53398-0290
SPK+ 1
SPK- 2
3711-002162[55]
PF05
53398-0590
VCR1_5V 1
LCD_Y 2
CAM_12V 3
GND 4
CVF_5V 5
3711-000475[55]
PF03
52559-3092
3708-001114[55]
1 LCD_MIR
2 A3V
3 LCD-15V
4 CAM_12V
5 LCD_VCR_5V
6 LCD_BL_5V
7 LCD15V
8 LED_CONTROL
9 EVR_LD_LCD
10 EVR_DATA_LCD
11 EVR_CLK_LCD
12 BL_ON
13 EN
14 XS
15 YS
16 GND
17 GND
18 GND
19 GND
20 CPH1
21 CPH1-
22 STH3
23 CPV
24 STV3
25 LCD_Y
26 R-Y
27 B-Y
28 VR
29 VG
30 VB
0501-001006[55]
LDF01
SM2233
2007-000072[55]
RF01 [1608]
47
QF01
KRC404
0504-001032[55]
CF06
22/16
2404-000190[55]
RMF01
KSM-603SMX AD32-00010A[55]
VCC
GND
OUT
CF01
10/10
2404-001020[55]
RF22
18K
RF23
33K
BAF01
BATTERY
AD43-10130H[56]
LF02
10UH
LF01
33UH
CF04
10/10
RF25 56
RF26 1K
RF27 390
ENCODER_DIAL
VRF01
EC12E24403
QF02
2SB1302
0502-001076[55]
RF14
100K
2007-000102[55]
RF15
1.5K
2007-000123[55]
QF03
KRC404
0504-001032[55]
CF08
22/10V
RF16
000
2007-000070[55]
RF17
000
2007-000070[55]
1203-002306[55]
ICF01
TK71750S
CF05
104
2203-000189[55]
STOP
REW
PLAY
F/F
SLOW
SWF01
SWF02
SWF03
SWF04
SWF05
3404-001037[55]
RF02
1K
2007-000078[55]
RF04
27K/F
RF05
39K/F
RF06
82K/F
RF07
270K/F
2007-000651[55]
2007-000828[55]
2007-001206[55]
2007-000633[55]
CF02
103
2203-000257[55]
RF03
100K
2007-000102[55]
EASY
CUSTOM
MENU
ENTER
SWF10
SWF09
SWF08
SKQLLB-E010
SWF07
SKQLLB-E010
3404-001034[55]
RF13
1K
RF11
27K/F
RF10
39K/F
RF09
82K/F
CF03
103
RF12
100K
3409-001024[55]
SWF13
SPVF21
QF04
KSA1298
0501-000546[55]
RF28
100K
2007-000102[55]
RF29
2.2K
2007-000141[55]
QF05
KRC404
0504-001032[55]

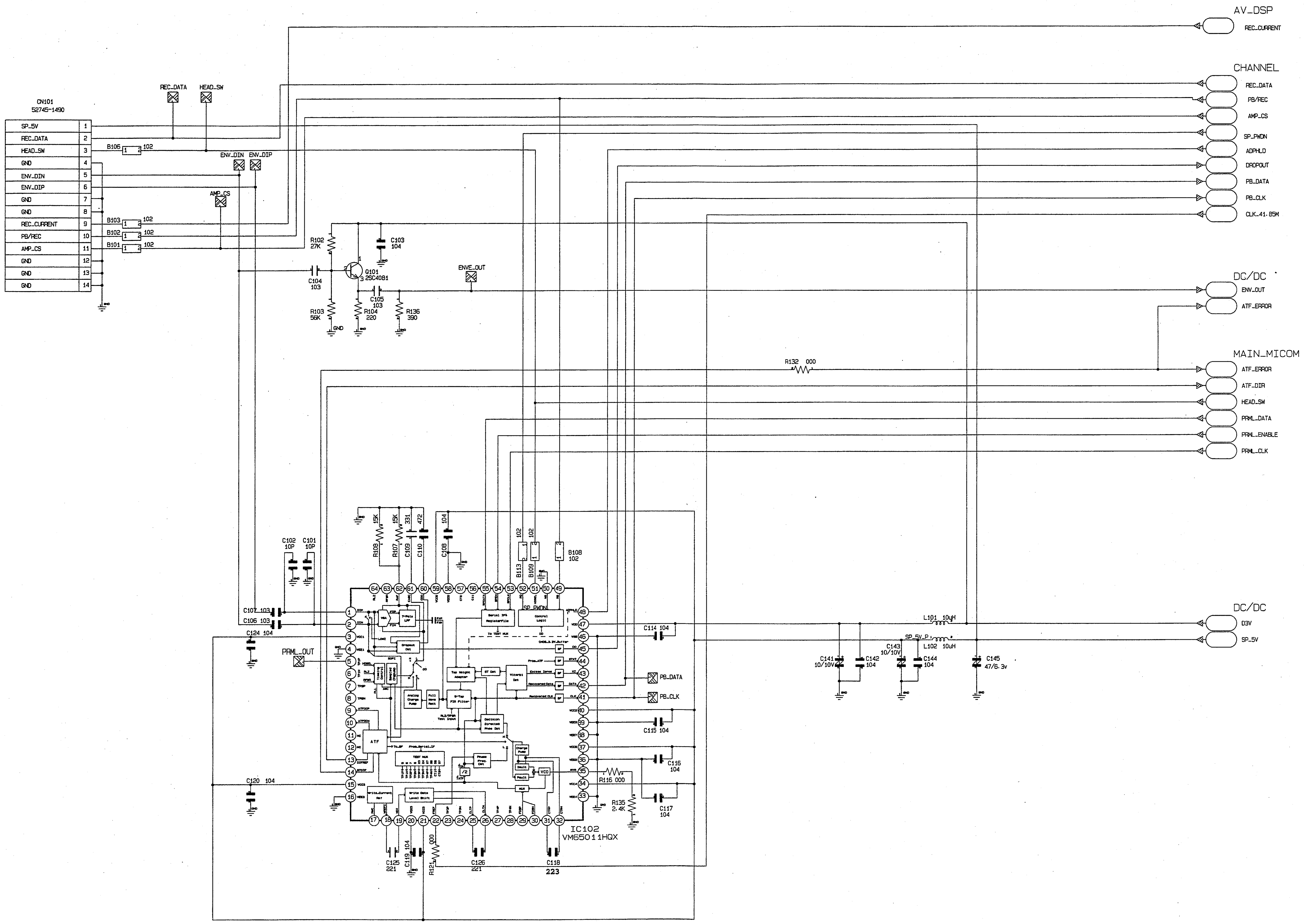
8-11 IEEE 1394


AV DSP
AV DSP
MAIN MICOM
VIDEO I/F
AUDIO
DC/DC
IC101
TSB42AB4
IC102
TSB41AB1
IC103
TC7S08F
X101
24.576MHz
CN101
52435-2291
Q105
KRC404
L101 10uH
L102 10uH
L105 10uH
PHY_AVCC
D3V
VIDEO_OUT
SEP_Y
SEP_C
AUDIO_OUT_R
AUDIO_OUT_L
INT/EXT_CTL
EXT_MIC_L
EXT_MIC_R
WATER_MARK
1394_EN_SW
PHY_RESET
PHY_PWDN
PHY_CNA
DSTB
R/W
1394_CS
LINK_RESET
1394_INT
LINK_PCTL
CLK_24
DIF_EN
DIF_STR
FRP
CLK_S_E
DIF_FRP
1394_FRP_OUT

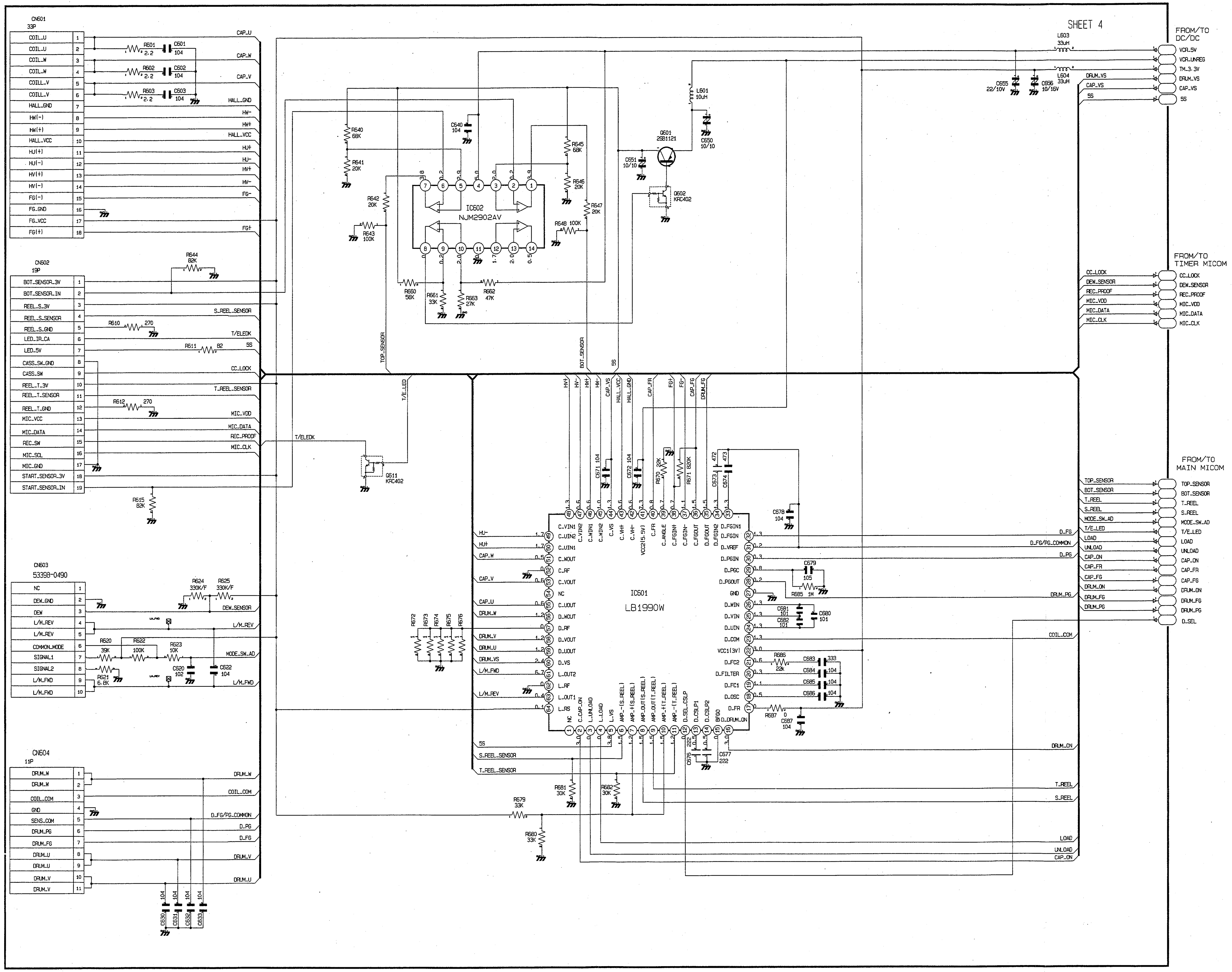
8-12 Main_Micom


DC/DC
TIMER MICOM
VIDEO I/F
SERVO
IEEE1394
PRML
AV DSP
CHANNEL
CAMERA
IC401
uPD703041Y
IC404
524C80C81
IC406
TK71633ASCL
L401
10uH
XT401
20MHz
CN402
5309-1091

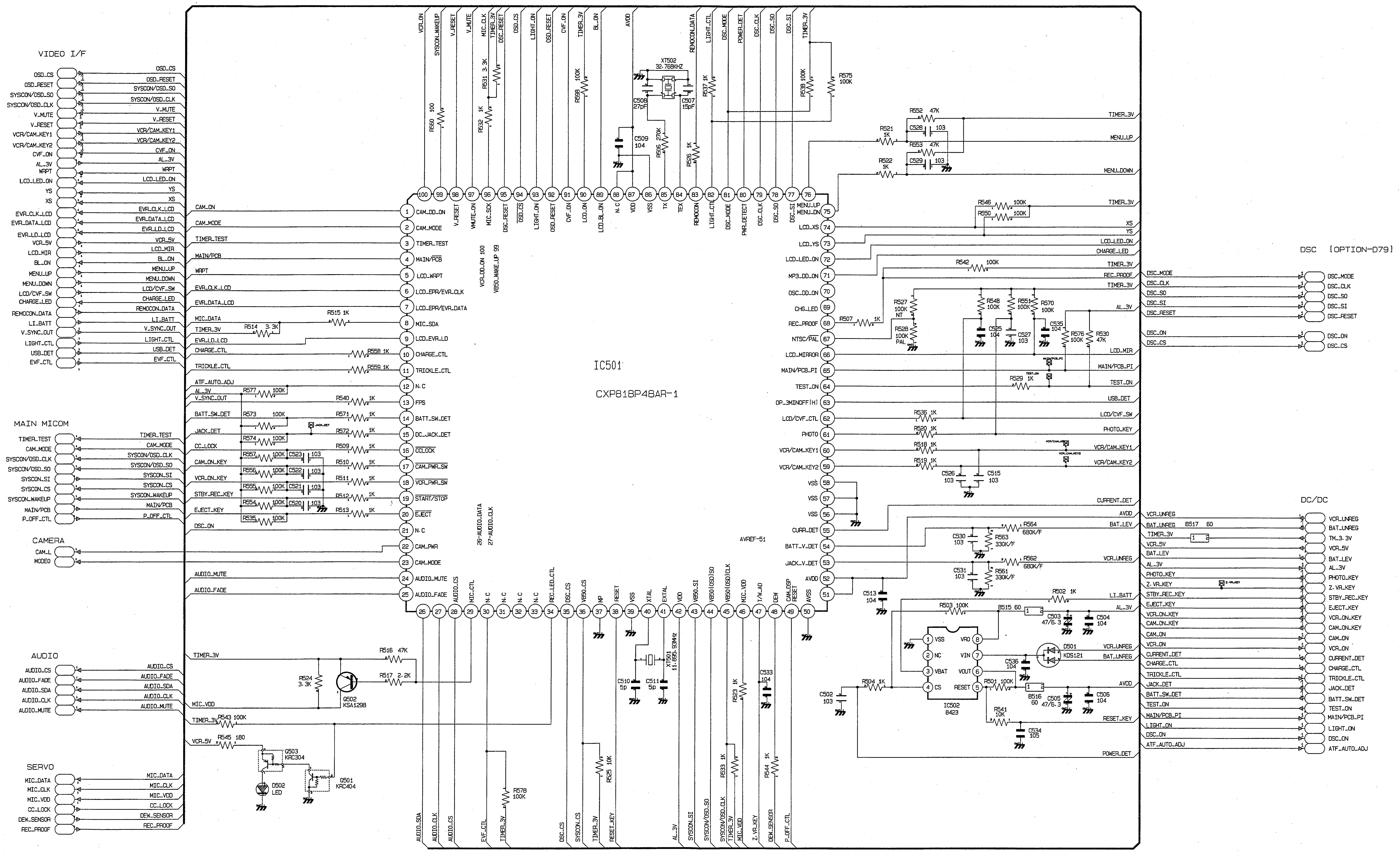
8-13 Prml


AV_DSP
REC_CURRENT
CHANNEL
REC_DATA
PB/REC
AMP_CS
SP_PWDN
ADPHLD
DROPOUT
PB_DATA
PB_CLK
CLK_41.85M
DC/DC
ENV_OUT
ATF_ERROR
MAIN_MICOM
ATF_ERROR
ATF_DIR
HEAD_SW
PRML_DATA
PRML_ENABLE
PRML_CLK
DC/DC
D3V
SP_5V
CN101
52745-1490
SP_5V 1
REC_DATA 2
HEAD_SW 3
GND 4
ENV_DIN 5
ENV_DIP 6
GND 7
GND 8
REC_CURRENT 9
PB/REC 10
AMP_CS 11
GND 12
GND 13
GND 14
REC_DATA
HEAD_SW
ENV_DIN
ENV_DIP
AMP_CS
B106 102
B103 102
B102 102
B101 102
R102 27K
C103 104
Q101 2SC4081
C104 103
C105 103
R103 56K
R104 220
R136 390
GND
ENVE_OUT
R132 000
R108 15K
R107 15K
C109 331
C110 472
C108 104
B113 102
B109 102
B108 102
C102 10P
C101 10P
C107 103
C106 103
C124 104
PRML_OUT
C120 104
SP_PWDN
C114 104
PB_DATA
PB_CLK
C115 104
C116 104
R116 000
R135 2.4K
C117 104
C125 221
C119 104
R121 000
C126 221
C118 223
IC102
VM65011HQX
ATF
VCO
L101 10uH
SP_5V_P
L102 10uH
C141 10/10V
C142 104
C143 10/10V
C144 104
C145 47/6.3v

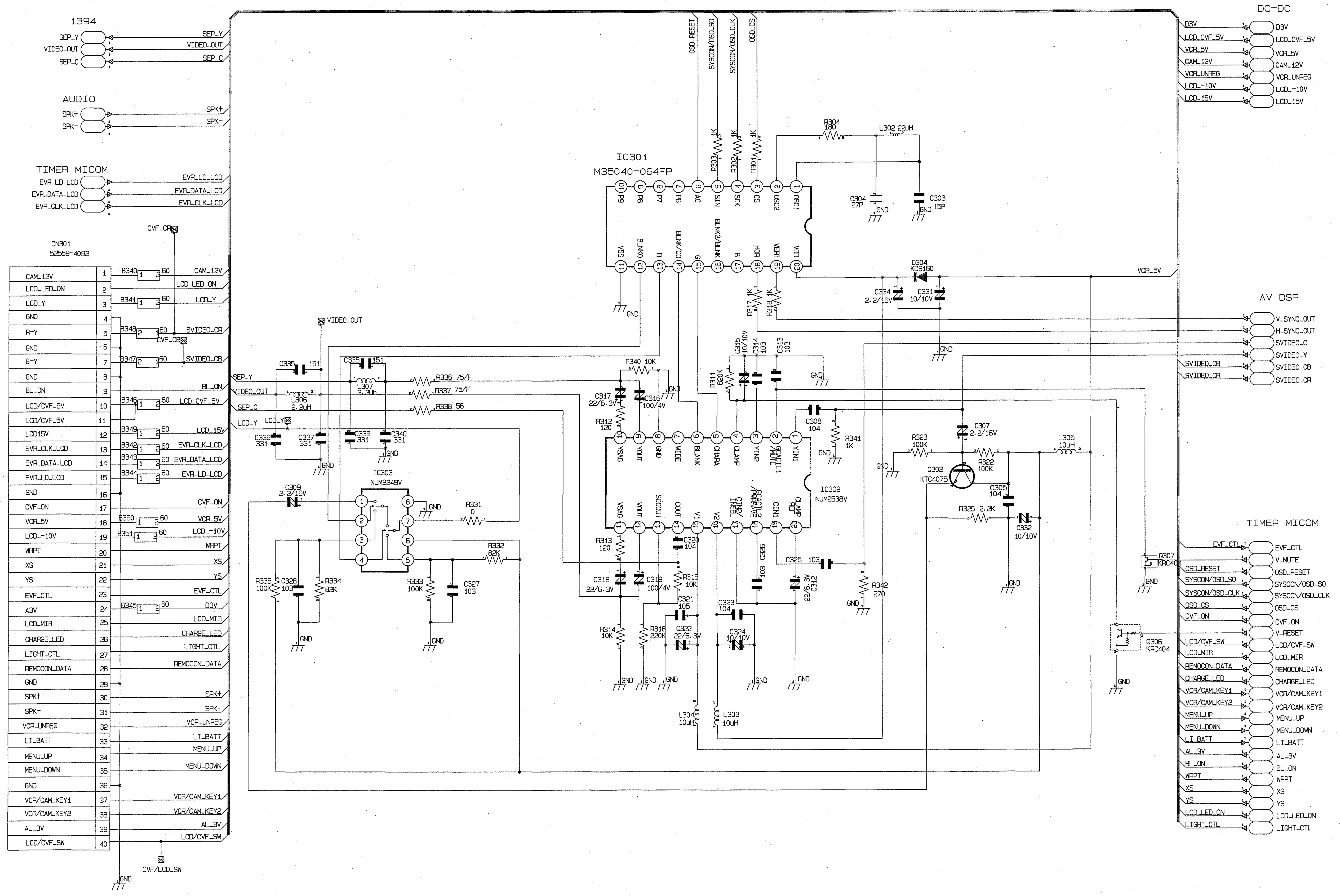
8-14 Servo


SHEET 4
CN601
33P
COIL_U 1
COIL_U 2
COIL_W 3
COIL_W 4
COILL_V 5
COILL_V 6
HALL_GND 7
HW(-) 8
HW(+) 9
HALL_VCC 10
HU(+) 11
HU(-) 12
HV(+) 13
HV(-) 14
FG(-) 15
FG_GND 16
FG_VCC 17
FG(+) 18
R601 2.2
C601 104
R602 2.2
C602 104
R603 2.2
C603 104
CAP_U
CAP_W
CAP_V
HALL_GND
HW-
HW+
HALL_VCC
HU+
HU-
HV+
HV-
FG-
FG+
CN602
19P
BOT_SENSOR_3V 1
BOT_SENSOR_IN 2
REEL_S_3V 3
REEL_S_SENSOR 4
REEL_S_GND 5
LED_IR_CA 6
LED_5V 7
CASS_SW_GND 8
CASS_SW 9
REEL_T_3V 10
REEL_T_SENSOR 11
REEL_T_GND 12
MIC_VCC 13
MIC_DATA 14
REC_SW 15
MIC_SCL 16
MIC_GND 17
START_SENSOR_3V 18
START_SENSOR_IN 19
R644 82K
R610 270
R611 82
R612 270
R615 82K
S_REEL_SENSOR
T/ELEDK
5S
CC_LOCK
T_REEL_SENSOR
MIC_VDD
MIC_DATA
REC_PROOF
MIC_CLK
Q611 KRC402
T/E_LED
TOP_SENSOR
BOT_SENSOR
CN603
53398-0490
NC 1
DEW_GND 2
DEW 3
L/M_REV 4
L/M_REV 5
COMMON_MODE 6
SIGNAL1 7
SIGNAL2 8
L/M_FWD 9
L/M_FWD 10
R624 330K/F
R625 330K/F
R620 39K
R622 100K
R623 10K
R621 6.8K
C620 102
C622 104
DEW_SENSOR
L/M_REV
MODE_SW_AD
L/M_FWD
CN604
11P
DRUM_W 1
DRUM_W 2
COIL_COM 3
GND 4
SENS_COM 5
DRUM_PG 6
DRUM_FG 7
DRUM_U 8
DRUM_U 9
DRUM_V 10
DRUM_V 11
DRUM_W
COIL_COM
D_FG/PG_COMMON
D_PG
D_FG
DRUM_V
DRUM_U
C630 104
C631 104
C632 104
C633 104
R640 68K
R641 20K
R642 20K
R643 100K
C640 104
IC602
NJM2902AV
R645 68K
R646 20K
R647 20K
R648 100K
R660 56K
R661 33K
R663 27K
R662 47K
L601 10uH
Q601 2SB1121
C650 10/10
C651 10/10
Q602 KRC402
L603 33uH
L604 33uH
C655 22/10V
C656 10/16V
DRUM_VS
CAP_VS
5S
FROM/TO DC/DC
VCR_5V
VCR_UNREG
TM_3.3V
DRUM_VS
CAP_VS
5S
FROM/TO TIMER MICOM
CC_LOCK
DEW_SENSOR
REC_PROOF
MIC_VDD
MIC_DATA
MIC_CLK
FROM/TO MAIN MICOM
TOP_SENSOR
BOT_SENSOR
T_REEL
S_REEL
MODE_SW_AD
T/E_LED
LOAD
UNLOAD
CAP_ON
CAP_FR
CAP_FG
DRUM_ON
DRUM_FG
DRUM_PG
D_SEL
IC601
LB1990W
C_VIN1
C_VIN2
C_WIN1
C_WIN2
C_VS
C_VH+
C_VH-
VCC2(5.5V)
C_FR
C_ANGLE
C_FGIN+
C_FGIN-
C_FGOUT
D_FGOUT
D_FGIN2
D_FGIN1
C_UIN2
C_UIN1
C_WOUT
C_RF
C_VOUT
NC
C_UOUT
D_WOUT
D_RF
D_VOUT
D_UOUT
D_VS
L_OUT2
L_RF
L_OUT1
L_RS
C_CAP_ON
L_UNLOAD
L_LOAD
L_VS
AMP_-(S_REEL)
AMP_+(S_REEL)
AMP_OUT(S_REEL)
AMP_OUT(T_REEL)
AMP_+(T_REEL)
AMP_-(T_REEL)
D_SEL_CSLP
D_CSLP1
D_CSLP2
BFG0
D_DRUM_ON
D_FR
D_OSC
D_FC1
D_FILTER
D_FC2
VCC1(3V)
D_COM
D_UIN
D_VIN
D_WIN
GND
D_PGOUT
D_PGC
D_PGIN
D_VREF
D_FGIN
C671 104
C672 104
R670 22K
R671 820K
C673 472
C674 473
C678 104
C679 105
R685 1M
C681 101
C682 101
C680 101
R686 22k
C683 333
C684 104
C685 104
C686 104
R687 0
C687 104
C676 222
C677 222
R681 30K
R682 30K
R679 33K
R680 33K
R672
R673
R674
R675
R676
S_REEL_SENSOR
T_REEL_SENSOR
DRUM_ON
T_REEL
S_REEL
LOAD
UNLOAD
CAP_ON
D_FG/PG_COMMON
DRUM_PG
COIL_COM

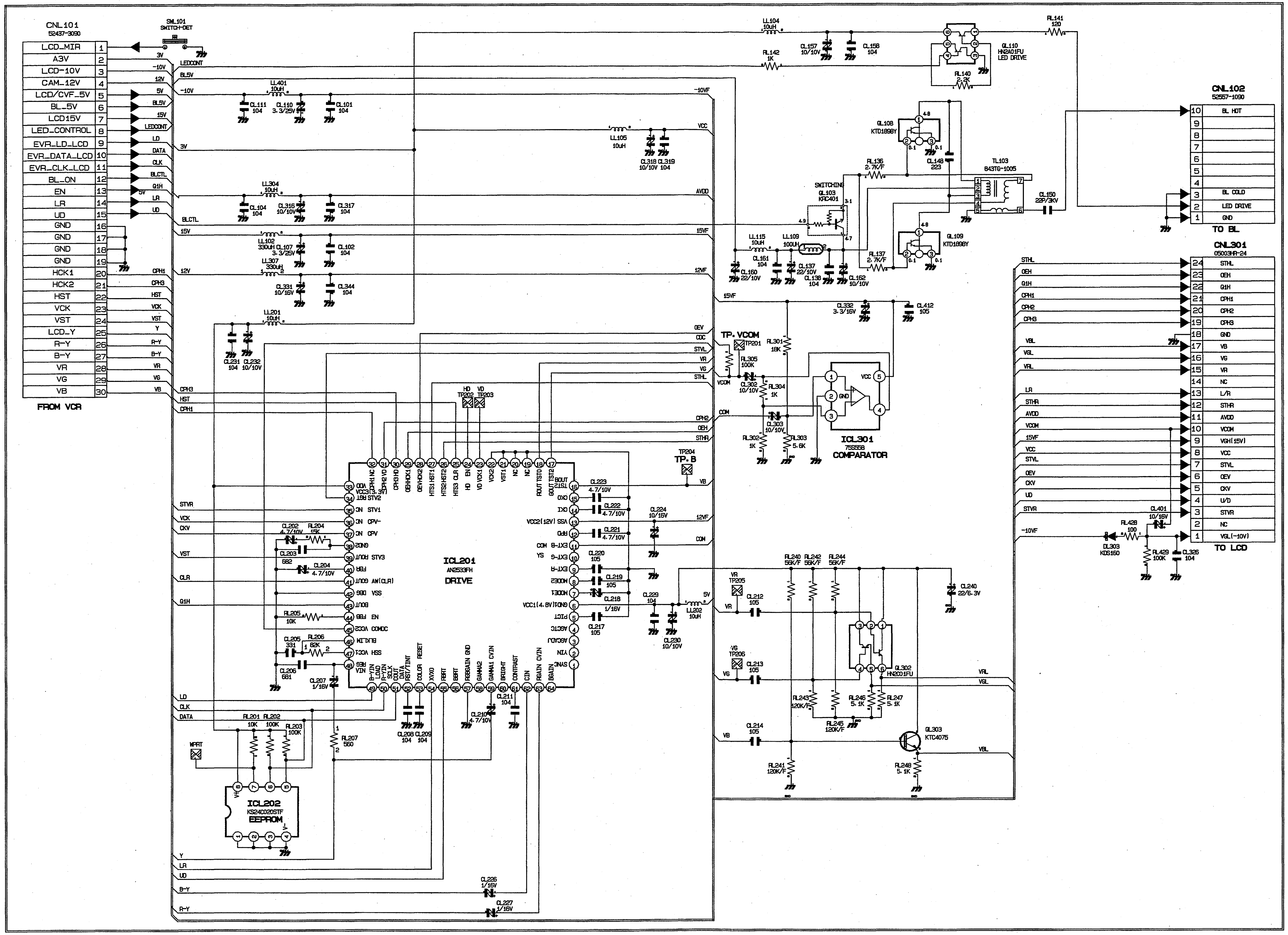
8-15 Timer-Micom


VIDEO I/F
MAIN MICOM
CAMERA
AUDIO
SERVO
DSC (OPTION-D79)
DC/DC
IC501
CXP818P48AR-1
IC502
8423
XT502
32.768KHZ
XT501
11.895.93MHz
Q502
KSA1298
Q503
KRC304
Q501
KRC404
D502
LED
D501
KDS121

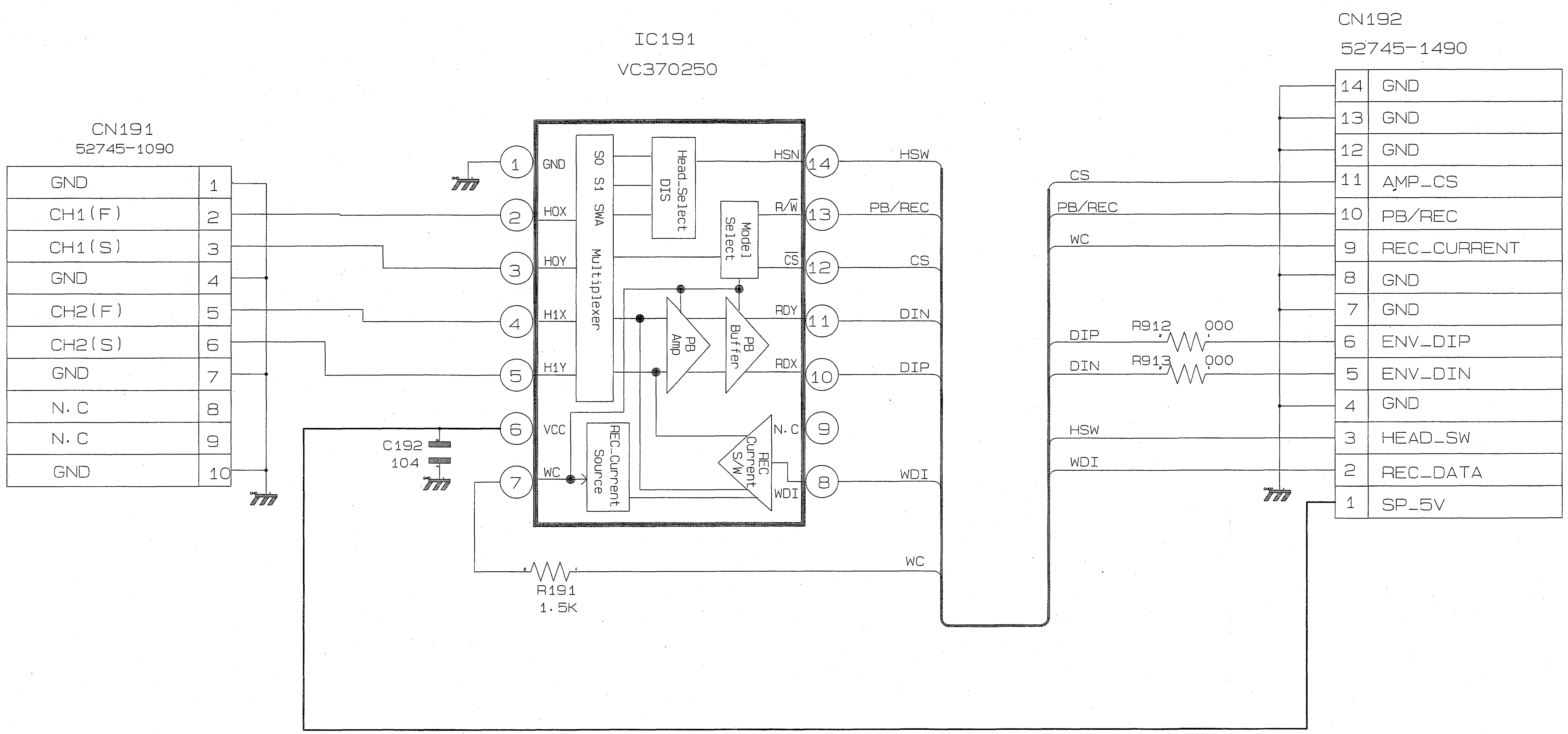
8-16 Video


1394
SEP_Y
VIDEO_OUT
SEP_C
AUDIO
SPK+
SPK-
TIMER MICOM
EVR_LD_LCD
EVR_DATA_LCD
EVR_CLK_LCD
CVF_CR
CN301
52559-4092
CAM_12V
LCD_LED_ON
LCD_Y
GND
R-Y
B-Y
BL_ON
LCD/CVF_5V
LCD15V
CVF_ON
VCR_5V
LCD_-10V
WRPT
XS
YS
EVF_CTL
A3V
LCD_MIR
CHARGE_LED
LIGHT_CTL
REMOCON_DATA
VCR_UNREG
LI_BATT
MENU_UP
MENU_DOWN
VCR/CAM_KEY1
VCR/CAM_KEY2
AL_3V
LCD/CVF_SW
CVF/LCD_SW
SVIDEO_CR
SVIDEO_CB
CVF_CB
D3V
B340 B341 B348 B347 B346 B349 B342 B343 B344 B350 B351 B345
VIDEO_OUT
C335 151
C336 151
L307 2.2uH
L306 2.2uH
R336 75/F
R337 75/F
R338 56
C335 331
C337 331
C339 331
C340 331
IC303
NJM2249V
C309 2.2/16V
R331 0
R332 82K
R335 100K
C328 103
R334 82K
R333 100K
C327 103
IC301
M35040-064FP
P9 P8 P7 P6 AC SIN SCK CS OSC2 OSC1
VSS BLNK0 R BLNK/CO/CO G BLNK2/BLNK B HOR VERT VDD
OSD_RESET
SYSCON/OSD_SO
SYSCON/OSD_CLK
OSD_CS
R303 1K
R302 1K
R301 1K
R304 180
L302 22uH
C304 27P
C303 15P
D304 KDS160
C334 2.2/16V
C331 10/10V
R317 1K
R318 1K
R340 10K
C317 22/6.3V
C316 100/4V
R311 820K
C315 10/10V
C314 103
C313 103
R312 120
C308 104
R341 1K
IC302
NJM2538V
YSAG YOUT GND WIDE BLANK CHARA CLAMP YIN2 GCACTL1/MUTE YIN1
VSAG VOUT SOCOUT COUT V1 V2 CIN2 INSEL GCACTL2/PWRSAVE CIN1 CLAMP REF
R313 120
C318 22/6.3V
C319 100/4V
C320 104
R315 10K
C326 103
C325 103
C312 22/6.3V
R342 270
C321 105
C323 104
R314 10K
R316 220K
C322 22/6.3V
C324 10/10V
L304 10uH
L303 10uH
C307 2.2/16V
R323 100K
R322 100K
Q302 KTC4075
L305 10uH
C305 104
R325 2.2K
C332 10/10V
Q307 KRC404
Q306 KRC404
DC-DC
LCD_CVF_5V
VCR_5V
CAM_12V
VCR_UNREG
LCD_-10V
LCD_15V
AV DSP
V_SYNC_OUT
H_SYNC_OUT
SVIDEO_C
SVIDEO_Y
TIMER MICOM
EVF_CTL
V_MUTE
OSD_RESET
SYSCON/OSD_SO
SYSCON/OSD_CLK
OSD_CS
CVF_ON
V_RESET
LCD/CVF_SW
LCD_MIR
REMOCON_DATA
CHARGE_LED
VCR/CAM_KEY1
VCR/CAM_KEY2
MENU_UP
MENU_DOWN
LI_BATT
AL_3V
BL_ON
WRPT
XS
YS
LCD_LED_ON
LIGHT_CTL

8-17 LCD


CNL101
52437-3090
1 LCD_MIR
2 A3V
3 LCD-10V
4 CAM_12V
5 LCD/CVF_5V
6 BL_5V
7 LCD15V
8 LED_CONTROL
9 EVR_LD_LCD
10 EVR_DATA_LCD
11 EVR_CLK_LCD
12 BL_ON
13 EN
14 LR
15 UD
16 GND
17 GND
18 GND
19 GND
20 HCK1
21 HCK2
22 HST
23 VCK
24 VST
25 LCD_Y
26 R-Y
27 B-Y
28 VR
29 VG
30 VB
FROM VCR
SWL101
SWITCH-DET
ICL201
AN2533FH
DRIVE
ICL202
KS24C020STF
EEPROM
ICL301
7SS558
COMPARATOR
TP. VCOM
TP. B
QL110
HN2A01FU
LED DRIVE
QL108
KTD1898Y
QL109
KTD1898Y
SWITCHING
QL103
KRC401
TL103
843TG-1005
QL302
HN2C01FU
QL303
KTC4075
DL303
KDS160
CNL102
52557-1090
10 BL HOT
9
8
7
6
5
4
3 BL COLD
2 LED DRIVE
1 GND
TO BL
CNL301
05003HR-24
24 STHL
23 OEH
22 Q1H
21 CPH1
20 CPH2
19 CPH3
18 GND
17 VB
16 VG
15 VR
14 NC
13 L/R
12 STHR
11 AVDD
10 VCOM
9 VGH(15V)
8 VCC
7 STVL
6 OEV
5 CKV
4 U/D
3 STVR
2 NC
1 VGL(-10V)
TO LCD

8-18 Pre Amp


IC191
VC370250
CN191
52745-1090
GND 1
CH1(F) 2
CH1(S) 3
GND 4
CH2(F) 5
CH2(S) 6
GND 7
N.C 8
N.C 9
GND 10
1 GND
2 H0X
3 H0Y
4 H1X
5 H1Y
6 VCC
7 WC
S0 S1 SWA Multiplexer
Head_Select DIS
Model Select
PB Amp
PB Buffer
REC_Current Source
REC Current S/W
HSN 14
R/W 13
CS 12
RDY 11
RDX 10
N.C 9
WDI 8
HSW
PB/REC
CS
DIN
DIP
WDI
WC
C192
104
R191
1.5K
CS
PB/REC
WC
DIP
DIN
R912 000
R913 000
HSW
WDI
CN192
52745-1490
14 GND
13 GND
12 GND
11 AMP_CS
10 PB/REC
9 REC_CURRENT
8 GND
7 GND
6 ENV_DIP
5 ENV_DIN
4 GND
3 HEAD_SW
2 REC_DATA
1 SP_5V